TA-E511/E611

SERVICE MANUAL

US Model
TA-E511
TA-E611
Canadian Model
E Model
Australian Model
TA-E511

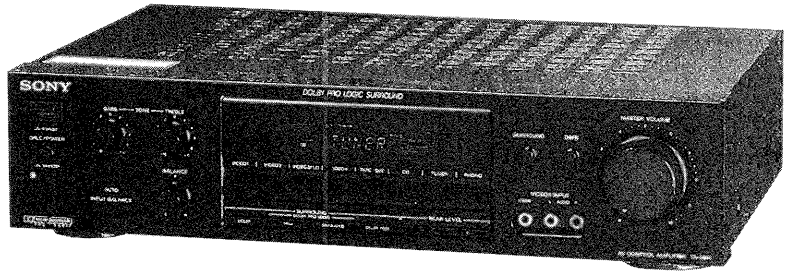

PHOTO : TA-E611

SPECIFICATIONS

Amplifier section

Harmonic distortion (Front)
Less than 0.02% (at 1 kHz, 1.0 V, Surround/DRLC: off)
Frequency response (Surround/DRLC: off)
PHONO: RIAA equalization curve ±1.0 dB
TUNER, CD, ADAPTOR, TAPE/DAT, VIDEO 1, 2, 3/LD, 4: 10 Hz - 70 kHz ±1.0 dB

Video section

Video input/output
Permissible signal input level
VIDEO 1, 2, 3/LD, 4: 1.5 Vp-p
Output signal level
VIDEO 1, 2, MONITOR: 1 +0.1 Vp-p (with 1 Vp-p input, measured at MONITOR OUT)
Impedance (output)
75-ohm unbalanced, negative sync.

Audio section

Input

Input jack	Jack type	Sensitivity	Impedance*
PHONO (MM)	Phono	2.0 mV	50 kohms
TUNER, CD, TAPE/DAT, VIDEO 1, 2, 3/LD, 4, ADAPTOR	Phono	150 mV	50 kohms

*78 IHF

Output

Output jack	Jack type	Sensitivity	Impedance
TAPE/DAT, VIDEO 1, 2, ADAPTOR	Phono	150 mV	470 ohms
OUTPUT FRONT, REAR, CENTER (TA-E611 only)	Phono	1.0 V	1 kohm

Tone controls BASS: ±7 dB (100 Hz)
TREBLE: ±8 dB (10 kHz)
Dolby input sensitivity
500 mV

General

AV control amplifier
NF type tone control
Digital Delay Surround circuit
Operation circuit matrix type
Power requirements
US, Canadian Models : AC 120V~60Hz 120W
E Model : AC 120V/230V/240V~50/60Hz 120W
Australian Model : AC 240V~50Hz 120W
Power consumption
TA-E511: 12 W
TA-E611: 20 W
AC outlets 4 switched, 480 W/4 A max.
Dimensions 430 x 105 x 295 mm (w/h/d) (17 x 4 1/4 x 11 5/8 inches)
Weight 3.3 kg (7 lb 5 oz)
Accessories supplied
Power amp control cord (1)
Audio connecting cord (2)
Remote commander RM-P312 (1)
Sony Batteries SUM-3 (NS) (2)

Design and specifications subject to change without notice.

AV CONTROL AMPLIFIER

SONY®

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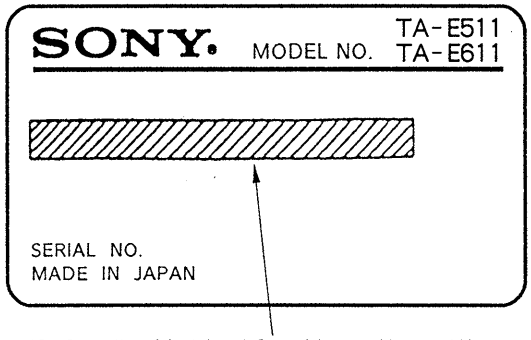
MODEL IDENTICATION

- Specification Label -



US, Canadian Model : AC 120V ~ 60Hz 120W
E Model : AC 120V/230V/240V
~ 50/60Hz 120W
Australian Model : AC 240V ~ 50Hz 120W

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

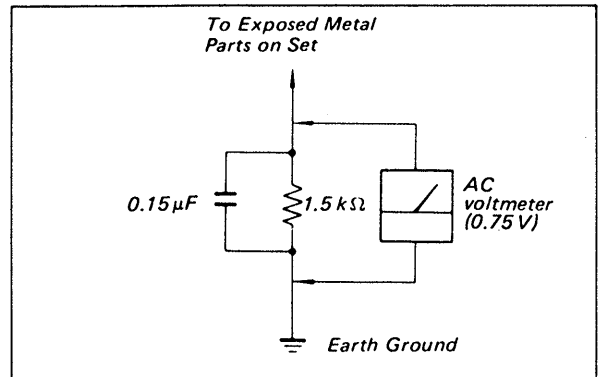


Fig. A. Using an AC voltmeter to check AC leakage.

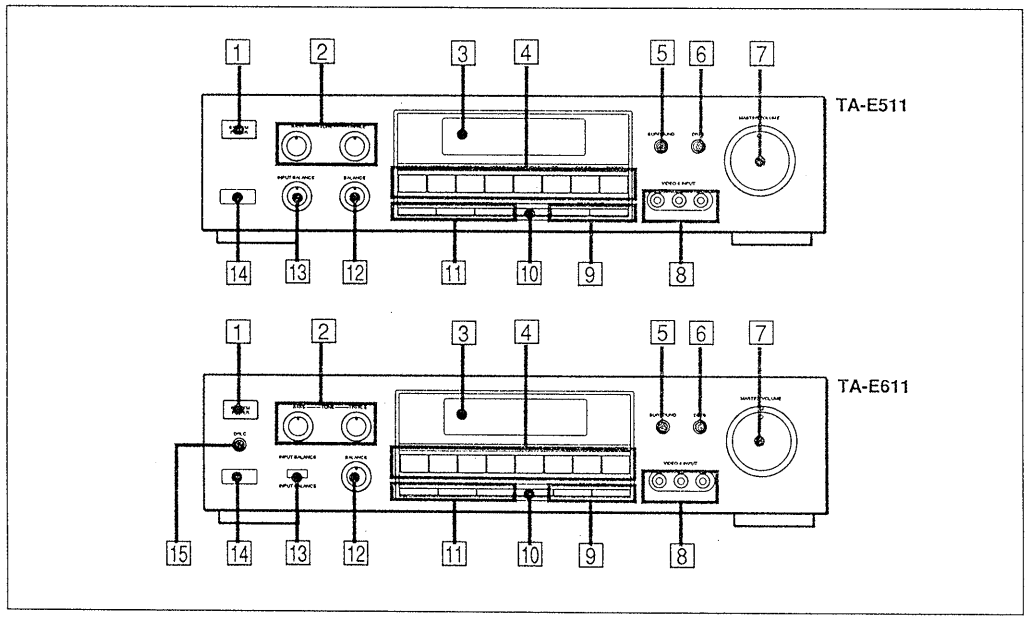
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

This section is extracted from instruction manual.

Location and Function of Controls



1 SYSTEM POWER switch

2 TONE (BASS and TREBLE) controls

3 Display window

4 Function selectors

5 SURROUND button

6 DBFB button

7 MASTER VOLUME control

8 VIDEO 4 INPUT jacks

9 REAR LEVEL +/– buttons

10 DELAY TIME button

11 SURROUND selectors (TA-E511)
SURROUND MODE selectors and DOLBY PRO LOGIC buttons (TA-E611)

12 BALANCE control

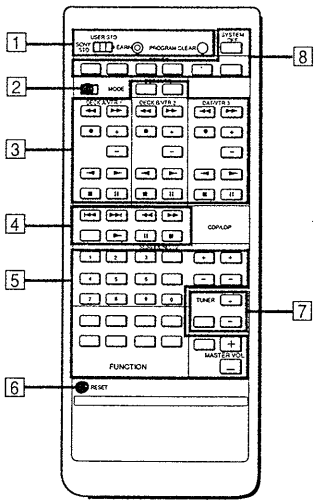
13 INPUT BALANCE control (TA-E511)
AUTO INPUT BALANCE indicator (TA-E611)

14 Remote control sensor

15 DRLC (Dual Room Link Control) button (TA-E611)

Location and Function of Controls

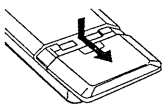
Programmable Remote Comander RM-P312



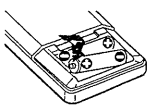
Loading the Batteries

Insert two R6 (size AA) batteries with correct polarity.

1



2



Battery life
About half a year of normal operation can be expected when using the Sony SUM-3 (NS) batteries.
When the batteries are exhausted, the commander can no longer operate the unit. Replace both batteries with new ones.

To avoid battery leakage
When the commander is not to be used for a long period of time, remove the batteries to avoid damage caused by battery leakage and corrosion

To avoid malfunction of the remote commander
Avoid keeping the commander under extremely hot or humid locations.

The RM-P312 can "learn" various functions of other remote commanders which use infrared rays. When the mode selector is set to SONY STD (Sony standard), buttons on the RM-P312 can be used to perform the functions below:

[1] Program control section
Mode selector and indicator
SONY STD: To control Sony equipment.
USER STD: To control equipment whose remote control functions are stored.
LEARN: To store functions of other remote commanders emitting infrared rays.
PROGRAM CLEAR button: Clears the stored functions.

[2] MODE selector
Selects the function mode on the remote commander.
1: To select the function indicated in light gray such as DECK, DAT, CD player and surround mode of amplifier.
2: To select the functions indicated in blue such as VCR, LDP (Laser disc player) and TV.

[3] Tape deck/DAT/VCR control section
ANT (antenna) TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.
VTR CH (channel) +/– buttons: Select channel on the VCR.
◄◄/►►: Fast winding
●: Recording
◄/►: Play
■: Stop
II: Pause
REC MODE REV/FWD buttons:
For reverse recording, press REV and ● together.
For forward recording, press FWD and ● together.

[4] CD/LD player control section
The combined CD/LD player can be controlled with LDP position.
D.(disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)
►: Play
II: Pause
■: Stop
◄◄/►►: Manual search (only for LD player)
I◄◄/►►I: Locates a desired selection.

[5] Amplifier/TV section
TV/VIDEO button: Selects the input signal of the TV. (for TV)
Program number (1 to 0) and ENTER buttons: Select the channel. (for TV)
SURROUND mode selectors
(for the AV control amplifier)
ON/OFF: Turns on/off the surround mode.
MODE: Selects the surround mode.
T.(test) TONE: Outputs test tone to each speakers in succession. (only for TA-E611)
DELAY: Adjusts the delay time.
FUNCTION selectors: Select an input source of the AV control amplifier. (for the AV control amplifier)
CENTER VOL /TV VOL +/– buttons: Control the volume of TV. (The buttons do not function for the AV control amplifier.)
REAR VOL /TV CH +/– buttons: Control the volume of rear speakers or channel of TV.
DBFB button: Turns on/off the DBFB (Dynamic Bass Feed Back). (for the AV control amplifier)
MASTER VOL +/– buttons: Control the amplifier volume. (for the AV control amplifier)

[7] Tuner control section
SHIFT button: Selects a memory page.
PRESET +/– buttons: Select a preset station.

[8] Power control section
SYSTEM OFF button: Turns off the power of the whole system: LDP, VTR, TV, and AUDIO.
LDP/VTR1/VTR2/VTR3/TV/AUDIO POWER buttons: Control the power of each unit. (The VTR button can be operative only when TAPE/VTR selector is set to VTR.)

Note on the ● (recording) button under [3] Tape deck/ DAT/VTR control section
If your recorder is of such type as pressing ● puts it in recording pause mode, first press ● on this commander and then II.

Note:
The ◄/► (play) buttons in [3] and [4] and the SHIFT button and PRESET +/– buttons in [7] can function without pressing one of the FUNCTION buttons in [5], if the CD player is connected to the CD jacks, the tape deck to the TAPE jacks, and the video deck to the VIDEO 1 jacks (switch the MODE on the remote commander to VTR 1).

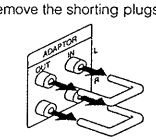
Connections

❶ Connections for surround sound and DRLC (TA-E611 only)

The TA-E511 has a monoural output for rear speakers of the TA-N511.
The TA-E611 has left and right outputs for rear and DRLC speakers of the TA-N611, and for center speakers which need to be connected through an stereo amplifier.

❷ Connecting a graphic equalizer, etc.

Before connecting the equipment such as a graphic equalizer, remove the shorting plugs.

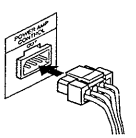


Note

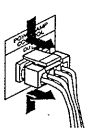
When the equipment such as a graphic equalizer is not connected, be sure to install the shorting plugs. Otherwise, no sound is heard from the speakers.

❸ Power amp control cord (supplied)

Connect the POWER AMP CONTROL OUT jack on the rear to the POWER AMP CONTROL IN jack of the power amplifier TA-N511/TA-N611. The output of the power amplifier is controlled by the unit.



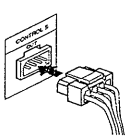
Push in until it clicks.



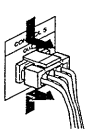
To disconnect.

❹ Flat remote control cord (not supplied)

Connect to the CONTROL S IN jack of other Sony equipment with the flat remote control cord for whole audio system remote control.



Push in until it c



To disconnect.

❺ AC OUTLETs (SWITCHED)

Use these to power audio components whose total power comsuption is less than the wattage indicated on the AC outlets.
These outlets are controlled by the SYSTEM POWER switch.

CAUTION

Do not connect any electrical home appliances such as an electric iron, fan, TV or other high wattage equipment to these AC outlets.

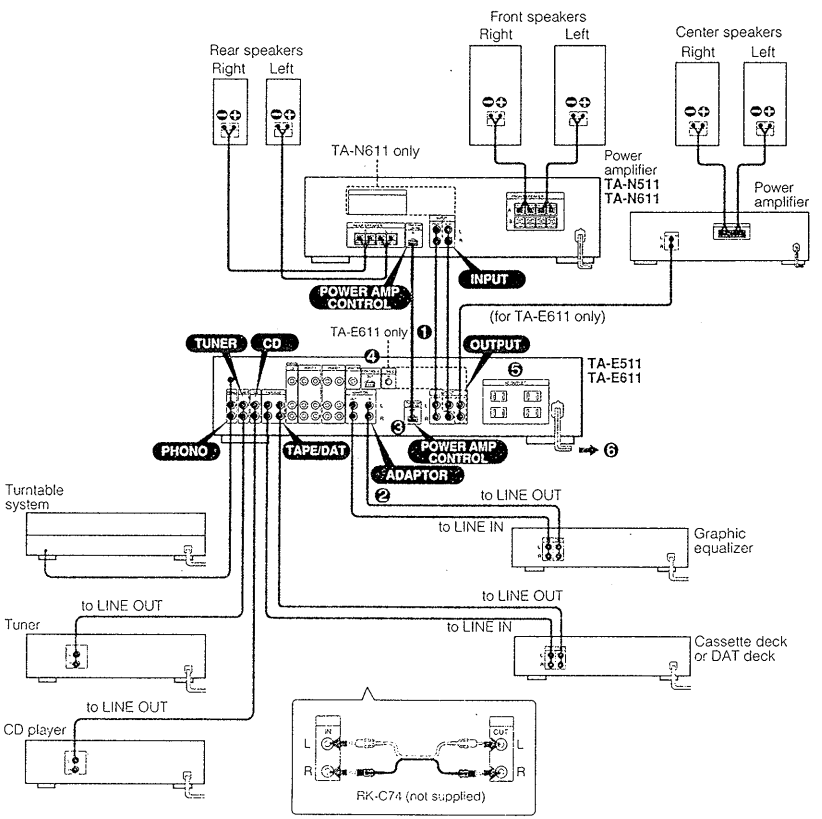
❻ Power cord

Connect to a wall outlet.

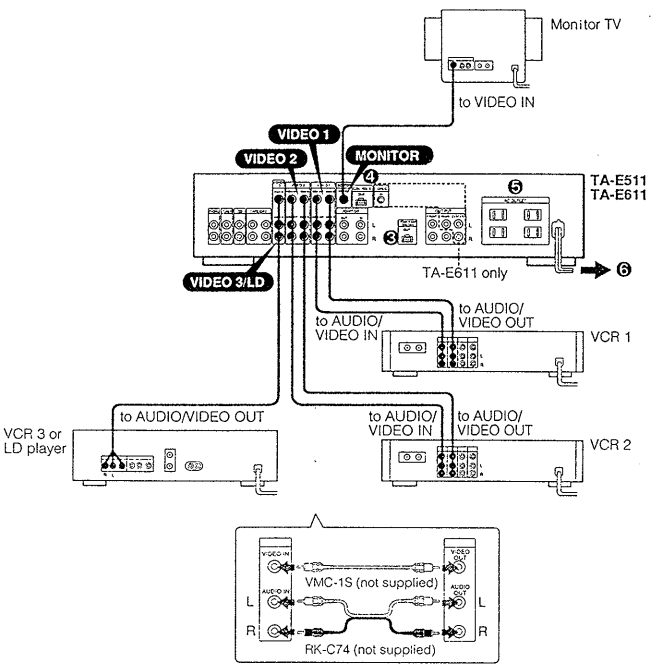
Connections

- Connect the AC power cord last. Make sure power is off.
- Cord plugs and jacks are color coded. Red plugs and jacks are for right channel (R) and white ones for the left channel (L).
- The cable connectors should be fully inserted into the jacks. A loose connection may cause hum and noise.

Connecting Audio Equipment



Connecting Video Equipment



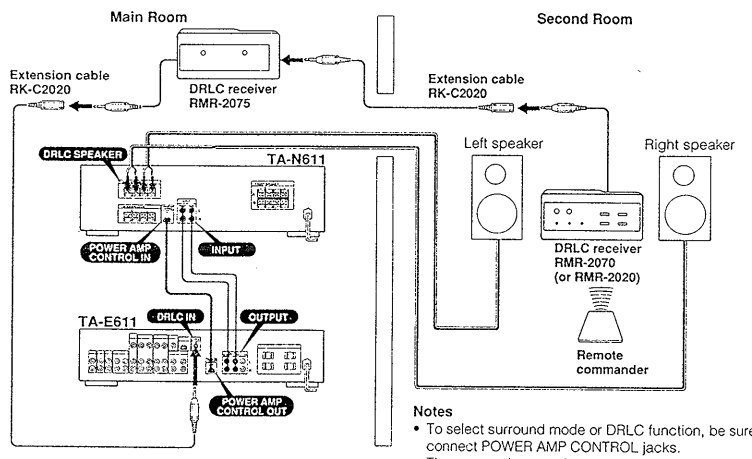
Function of Dual Room Link Control System (TA-E611 only)

Connections for Dual Room Link Control System

The Dual Room Link Control (DRLC) allows you to "link" a second room to your main or primary listening room. When the Dual Room Link Control Kit RM-S2070K or RM-S2020K (optional) and optional speakers are connected to your audio system and they are placed in the second room, either the same program source being played in the main room or a different program source can be heard in the second room.

When using the RM-S2070K

Connect the DRLC RMR-2070, the power amplifier TA-E611, and the speakers for DRLC to the power amplifier.



Notes

- To select surround mode or DRLC function, be sure to connect POWER AMP CONTROL jacks.
- The surround system in the main room and DRLC function cannot be operated simultaneously.

Operations

1 Press DRLC/POWER button. (The SYSTEM POWER switch on the AV control amplifier does not need to be turned on.)
2 Control the system with the remote commander for the second room.

The following examples illustrate program source options for the main and second room:

Listening in the main room	Listening in the second room
CD	FM broad cast
Tape	CD
Sound from TV	Same sound from TV
Off	FM broadcast
Sound from video source (with surround effectt)	Second room system defeated
FM broadcast	Off

Notes

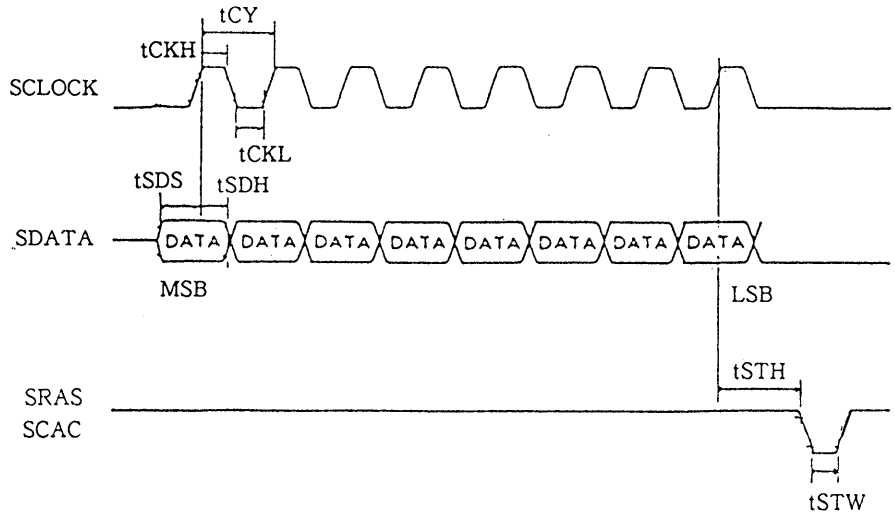
- The surround system in the main room and DRLC function cannot be operated simultaneously.
- When the AV control amplifier receives a remote control signal from the second room, the DRLC indicator flashes. During this period, the AV control amplifier cannot receive the remote control signal in the main room.
- You cannot use the following functions from the second room.
  - Surround effect
  - DBFB effect
  - Tone control
  - BALANCE control

SECTION 2
DIAGRAMS

2-1. DESCRIPTION ON IC303 (LV1001M)

Pin No.	Explanations
1	De-couple capacitor for threshold voltage
2, 64	Capacitor for smoothing of rectifier output
3	Capacitor for sliding band filter and Delayed output
4, 62	Capacitor for sliding band filter
5, 61	Capacitor for pre-emphasis
6, 60	Input filter for rectifier
7, 57	Input filter for rectifier
8	Reference voltage
9	Reference voltage
10	Mute control
11	Vcc
12	Output for V_{DD}
13	Clock input for serial input, data input for parallel input mode
14	Data input for serial input, data input for parallel input mode
15	Column address selection for serial input, data input for parallel input mode
16	Row address selection for serial input, data input for parallel input mode
18 to 32	Connection to memory device
24	Vss
33	X'tal resonator for oscillator
34	X'tal resonator for oscillator
35	Long or Short mode selection
36	Serial or Parallal mode selection
37	For test mode
38	Smoothing for NR rectifier
39	Smoothing for NR rectifier
40	Capacitor for weighting on side chain path
41	Input for variable resistor
42	NR output
43	7kHz low pass filter output
44	Input for NR
45	Capacitor for de-couple on NR
46	Delay output or NR output
47	Input for mute circuit
48	Output for mute circuit
49	Output for 7kHz low pass filter
50	Input for 7kHz low pass filter
51	GND
52	Input for right channel
53	Input for left channel
54	Capacitor for de-couple on Fixed matrix output
55	Noise shaping and delay input
56	Noise shaping output
57	Delay input signal mode select switch (L + R/L − R)
58	Filter for supply voltage on comparator
63	Capacitor for sliding band filter and local decoder output

Input Address Port Timing
SHORT MODE

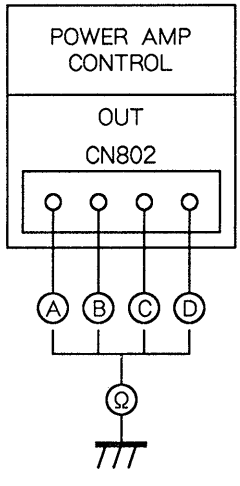


In case of short mode, delay time setting is set in above timing. The date loaded to SDATA is written on the leading edge timing. In order to select that the data latch for row address strobe or column address strobe is loaded, SRAS or SCAS port is controlled.
When changing delay time setting, meaningless data on a memory are read. this causes the pop noise. when SRAS or SCAS is controlled, mute circuit (pin 55 is input, pin 56 is output) is activated. Mute time is the same as the delay time which is set at that time. (Serial data input mode only, On parallel data input mode, mute circuit is activated by using the mute control port pin 18.)

On long mode, input data number is 9, the way of setting delay time is same.

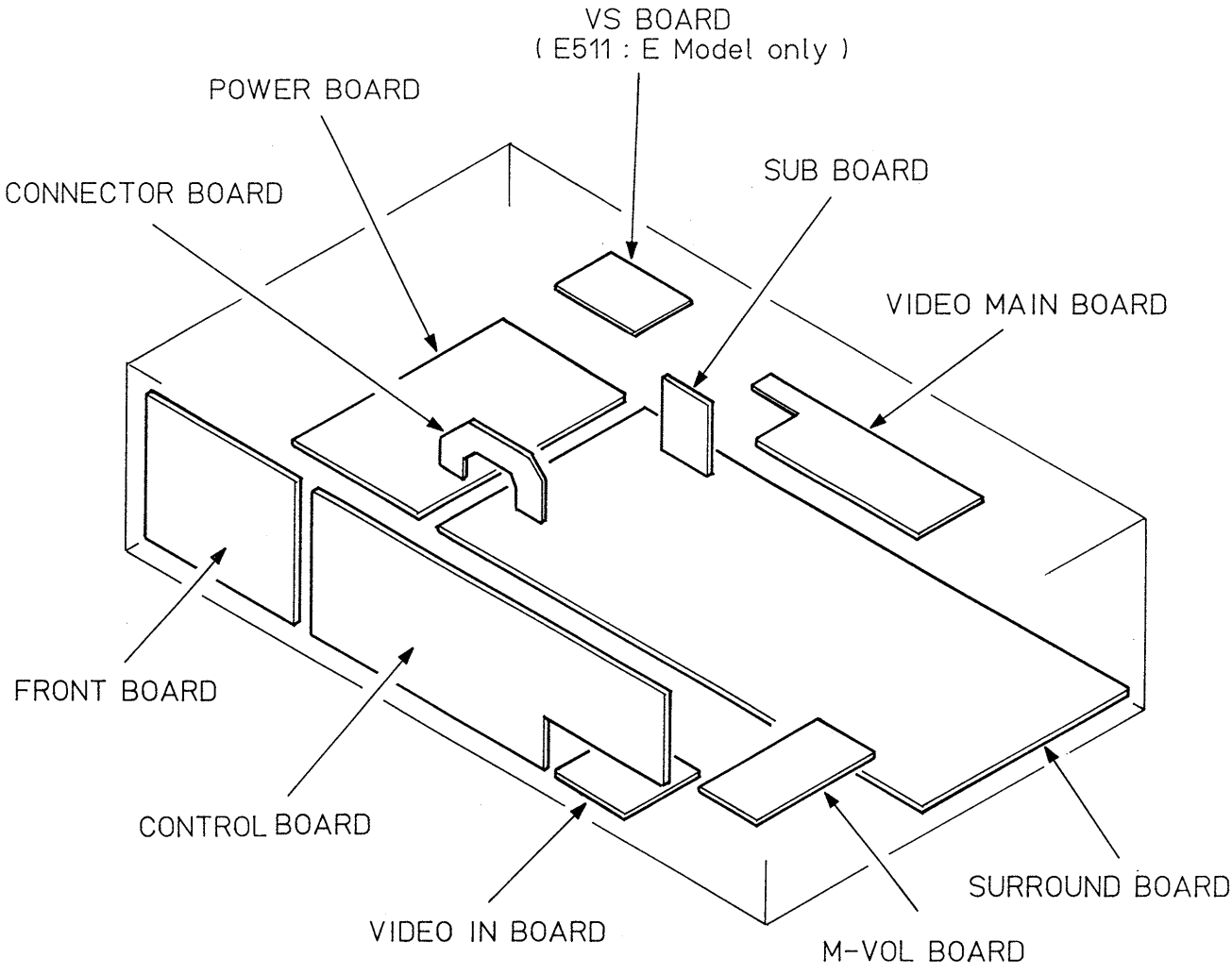
2-1-1. SERVICE NOTE

CN802 (POWER AMP CONTROL OUT)
(POWER AMP Unconnected Operation Check)

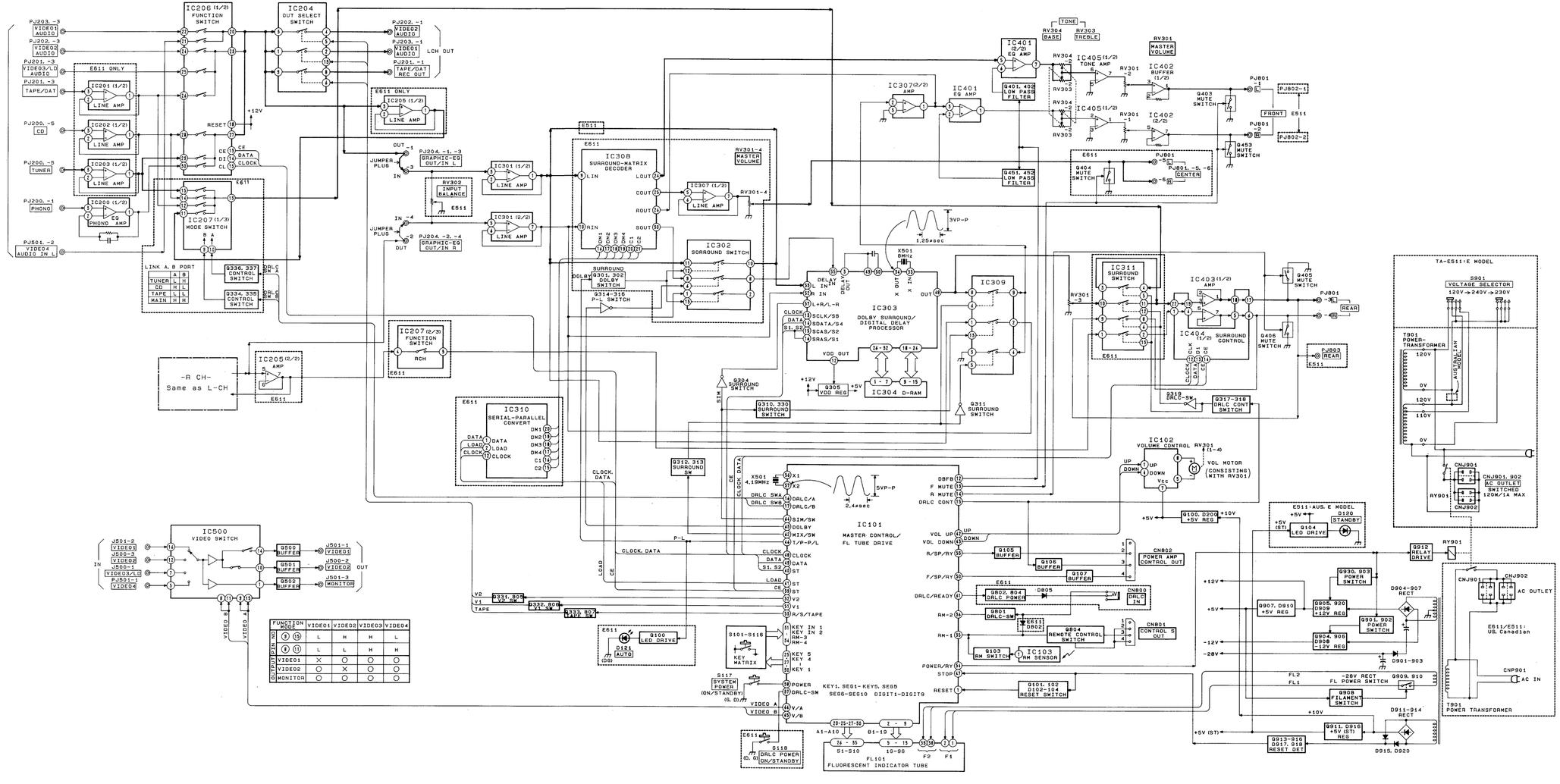


CN802	POWER OFF	POWER ON	SURROUND ON	POWER DRLC ON	DRLC ONLY ON
Ⓐ	∞Ω	∞Ω	∞Ω	∞Ω	∞Ω
Ⓑ	0Ω	0Ω	∞Ω	0Ω	0Ω
Ⓒ	∞Ω	∞Ω	∞Ω	0Ω	0Ω
Ⓓ	0Ω	∞Ω	∞Ω	∞Ω	20Ω

2-2. CIRCUIT BOARDS LOCATION



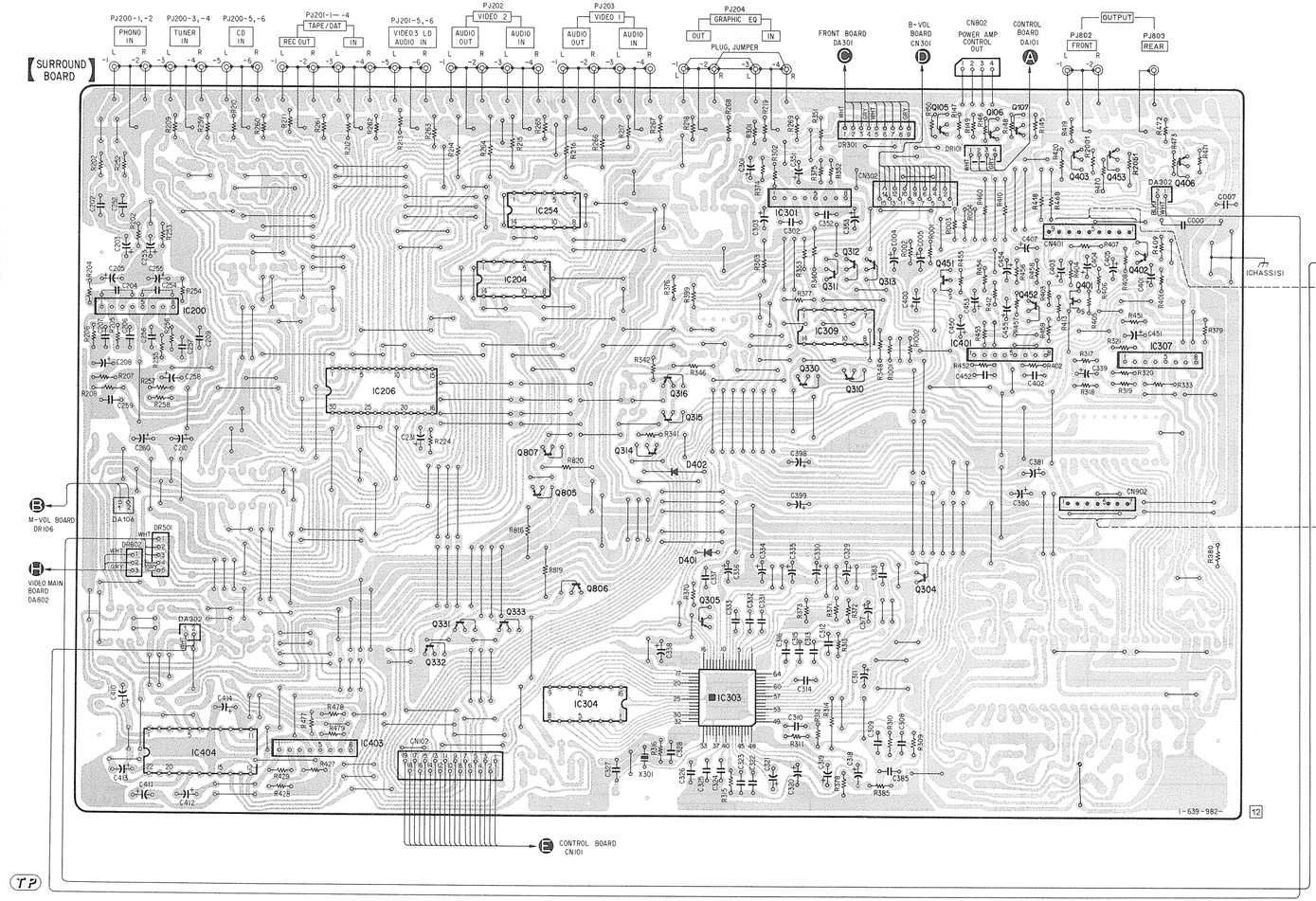
2-3. BLOCK DIAGRAM

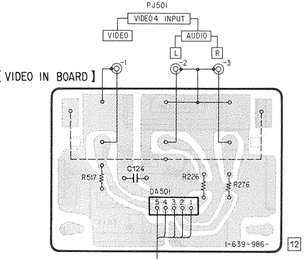


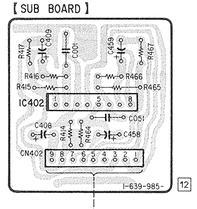
2-4. PRINTED WIRING BOARDS – SURROUND – (TA-E511) •See page 36 for Semiconductor Lead Layouts.

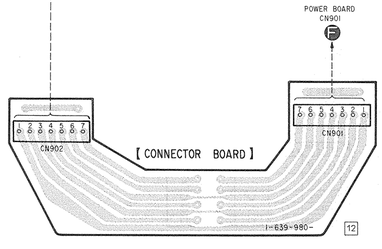
• Semiconductor Location

Ref. No.	Location
D401	F-8
D402	E-7
IC200	D-2
IC204	D-6
IC206	E-4
IC254	C-6
IC301	C-9
IC303	H-8
IC304	H-6
IC307	D-12
IC309	D-9
IC401	D-11
IC402	E-15
IC403	H-4
IC404	H-3
Q105	B-10
Q106	B-11
Q107	B-11
Q304	G-10
Q305	G-8
Q310	E-9
Q311	C-9
Q312	C-9
Q313	C-9
Q314	E-7
Q315	E-7
Q316	E-7
Q330	E-9
Q331	G-5
Q332	G-5
Q333	G-6
Q401	D-11
Q402	C-12
Q403	B-11
Q406	B-12
Q451	D-10
Q452	D-11
Q453	B-12
Q805	F-6
Q806	G-6
Q807	E-6





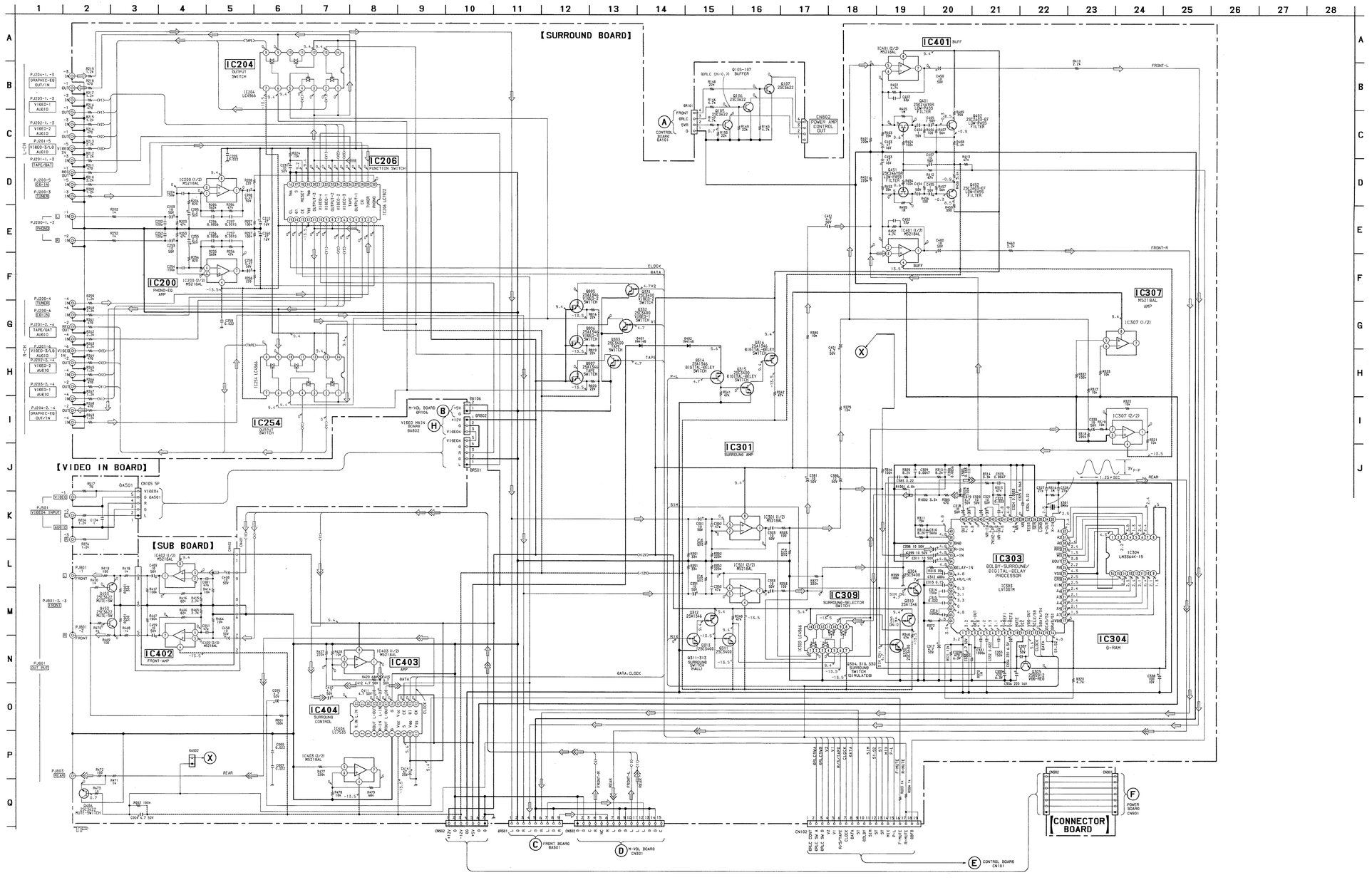




Note on Mounting Diagram :

- ○——— : Parts extracted from the component side.
- ■ : Parts mounted on the conductor side.
- ○—○—○ : Jumper wire connected to the ground pattern on the component side.
- ▨ : Pattern on the side which is seen.

AUS : Australian
CND : Canadian



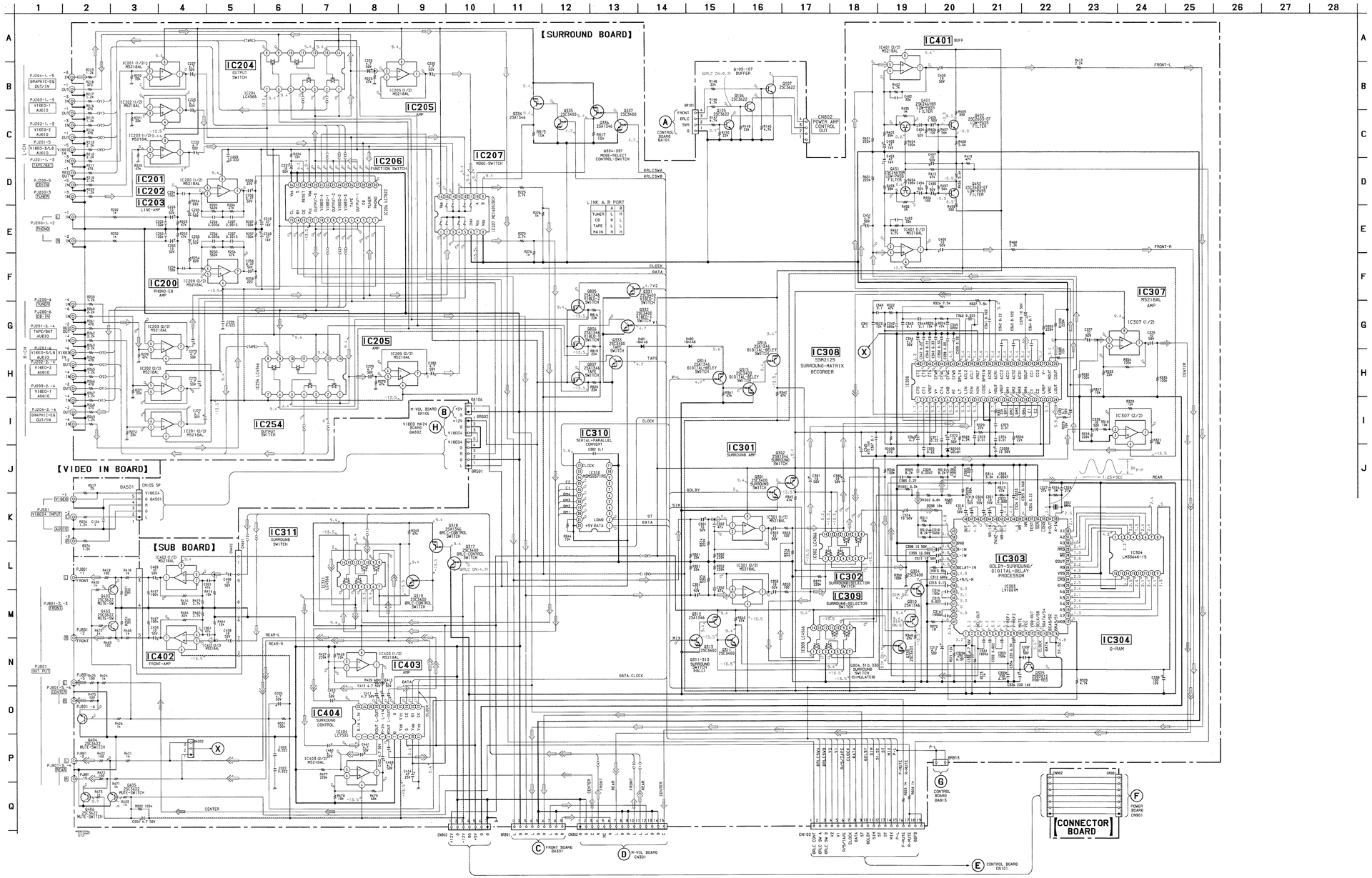
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and J, W or less unless otherwise specified.
- △ : internal component.
- ▭ : nonflammable resistor.
- ▭ : fusible resistor.

Note:	Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number sppecified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ⏚ : B+ Line.
- ⏚ : B− Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : CD POSISION
- Voltages are taken with a VOM (input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : TUNER FRONT
  ⇨ : CENTER
  ⇨ : REAR
  ⇨ : SURROUND(DELAY)

AUS : Australian
CND : Canadian



Note on Schematic Diagram :

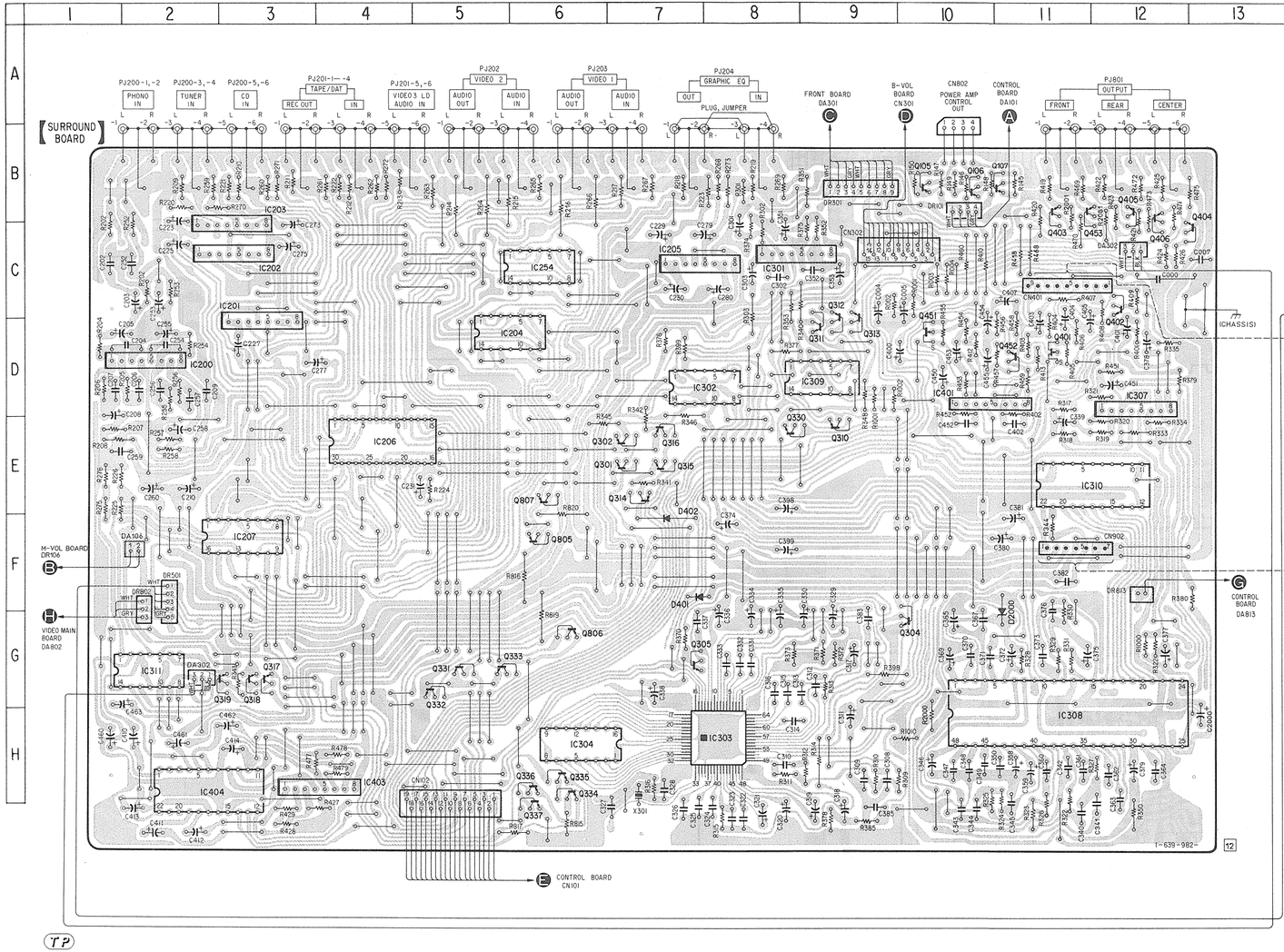
- All capacitors are in μF unless otherwise noted. pF: μ μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ⊕ : internal component.
- ⊕ : nonflammable resistor.
- ⊕ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number sppecified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ○ ——— : B + Line.
- ○ ‥‥ ‥‥ : B – Line.
- ○ Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : CD POSISION
- ○ Voltages are taken with a VOM (input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- ○ Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- ○ Signal path.
  ⇨ : TUNER FRONT
  ⇨ : CENTER
  ⇨ : REAR
  ⇨ : SURROUND(DELAY)

AUS : Australian
CND : Canadian

2-7. PRINTED WIRING BOARDS – SURROUND – (TA-E611) •See page 36 for Semiconductor Lead Layouts.



• Semiconductor Location

Ref. No.	Location
D401	F-8
D402	F-7
D2000	G-11
IC200	D-2
IC201	D-3
IC202	C-3
IC203	C-3
IC204	D-6
IC205	C-8
IC206	E-4
IC207	F-3
IC254	C-6
IC301	C-9
IC302	D-8
IC303	H-8
IC304	H-7
IC307	D-12
IC308	H-12
IC309	D-9
IC310	E-12
IC311	G-2
IC401	D-11
IC402	E-15
IC403	H-4
IC404	H-3
Q105	B-10
Q106	B-11
Q107	B-11
Q301	E-7
Q302	E-7
Q304	G-10
Q305	G-8
Q310	E-9
Q311	D-9
Q312	D-9
Q313	D-9
Q314	E-7
Q315	E-7
Q316	E-7
Q317	G-3
Q318	G-3
Q319	G-3
Q330	E-9
Q331	G-5
Q332	G-5
Q333	G-6
Q334	H-6
Q335	H-6
Q336	H-6
Q337	H-6
Q401	D-11
Q402	C-12
Q403	B-11
Q404	C-13
Q405	B-12
Q406	C-12
Q451	D-10
Q542	D-11
Q453	B-12
Q805	F-6
Q806	G-6
Q807	E-6

Note on Mounting Diagram:

- ○——: Parts extracted from the component side.
- ■: Parts mounted on the conductor side.
- ○—○—○: Jumper wire connected to the ground pattern on the component side.
- ▨: Pattern on the side which is seen.

AUS : Australian
CND : Canadian

2-8. PRINTED WIRING BOARDS – CONTROL etc. – •See page 36 for Semiconductor Lead Layouts.

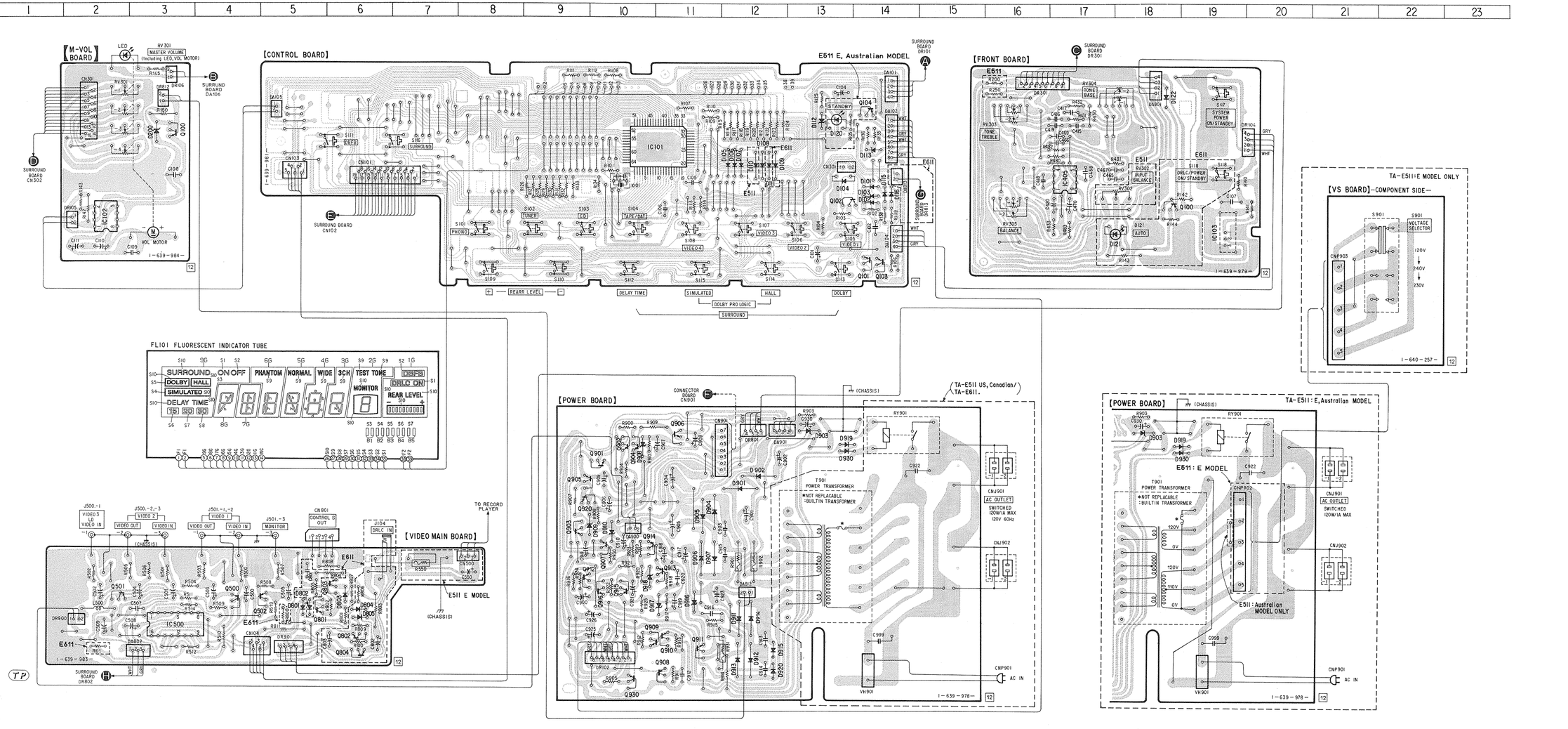
• Semiconductor Location

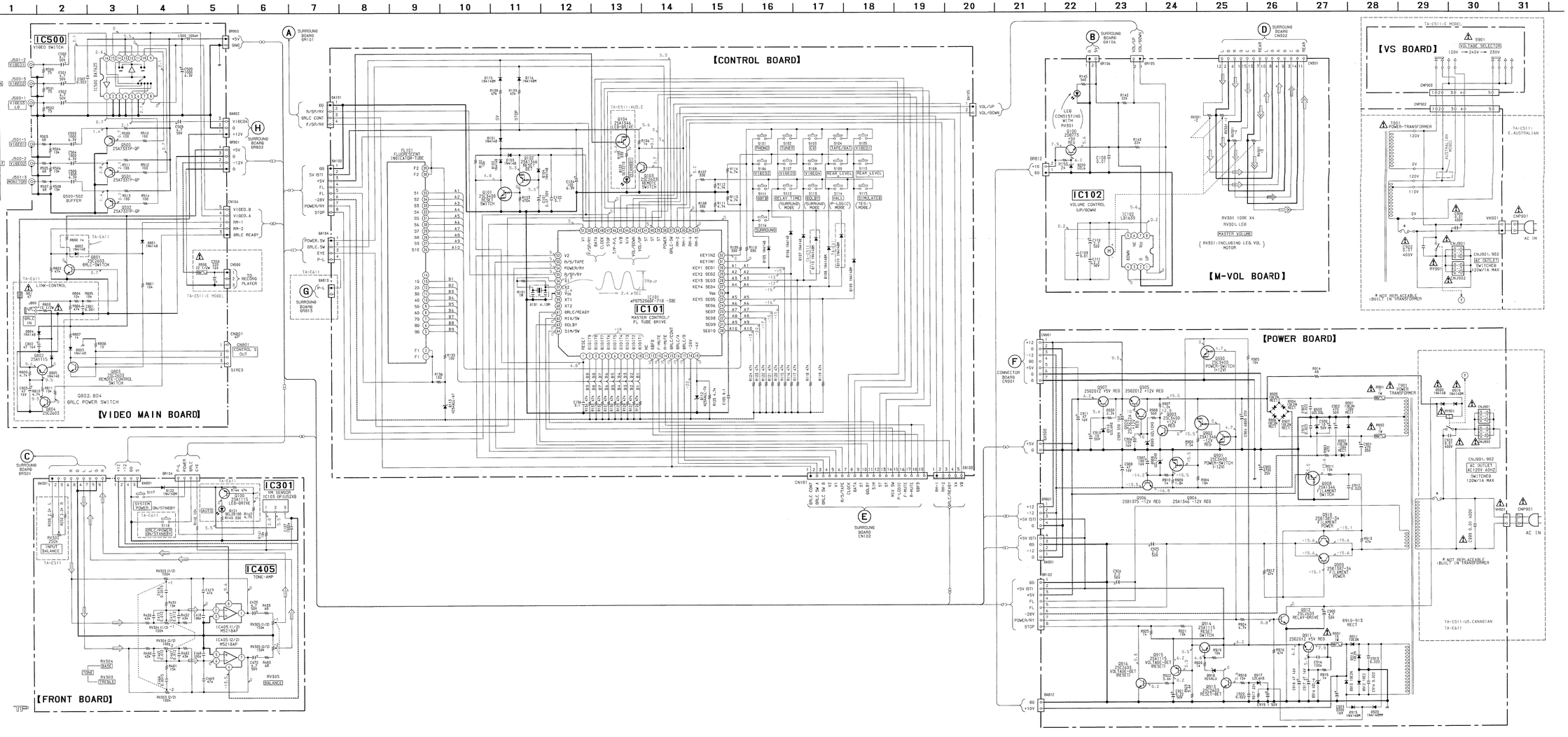
Ref. No.	Location	Ref. No.	Location
D101	C-14	Q100	C-18
D102	C-14	FRONT	
D103	C-14	(E611)	
D104	C-13	Q100	B-3
D105	C-12	M-VOL	
D106	C-12	Q101	D-14
D107	C-12	Q102	C-13
D108	C-12	Q103	D-14
D109	C-12	Q104	B-14
D110	C-12	(E511:	
(E511)		E, AUS)	
D111	C-12	Q500	I-4
(E611)		Q501	I-2
D112	B-13	Q502	I-5
D113	C-14	Q801	I-5
D115	C-14	Q802	J-6
D116	C-14	(E611)	
D120	B-13	Q803	I-6
(E511:		Q804	J-6
E, AUS)		(E611)	
D121	D-18	Q901	G-10
D122	B-18	Q902	G-10
D200	B-3	Q903	H-9
D801	I-5	Q904	G-10
D802	I-5	Q905	H-9
(E611)		Q906	G-11
D803	I-6	Q907	I-10
D804	I-6	Q908	J-11
(E611)		Q909	J-10
D805	J-6	Q910	J-11
(E611)		Q911	J-11
D901	H-12	Q912	I-10
D902	G-12	Q913	I-11
D903	G-13	Q914	I-10
D904	H-11	Q915	I-10
D905	H-11	Q916	I-10
D906	I-11	Q920	H-9
D907	I-11	Q930	K-10
D908	G-10		
D909	H-10		
D910	H-10		
D911	J-12		
D912	J-12		
D913	J-12		
D914	J-12		
D915	J-12		
D916	I-11		
D917	I-11		
D918	I-10		
D919	G-13		
D920	J-12		
D930	G-13		
IC101	B-11		
IC102	D-2		
IC103	D-19		
IC405	C-17		
IC500	J-3		

Note on Mounting Diagram:

- ○——: Parts extracted from the component side.
- ■ : Parts mounted on the conductor side.
- ○—○ : Jumper wire connected to the ground pattern on the component side.
- ▨ : Pattern on the side which is seen.

AUS : Australian
CND : Canadian





Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ⚠ : internal component.
- ⚠ : nonflammable resistor.
- ⚠ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

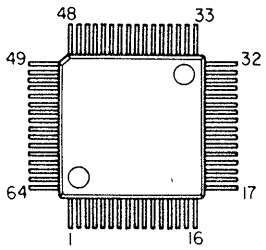
- ⏚ : B+ Line.
- ⏚ : B – Line.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : CD POSISION
- Voltages are taken with a VOM (input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : TUNER FRONT
  ⇨ : CENTER
  ⇨ : REAR
  ⇨ : SURROUND(DELAY)

AUS : Australian
CND : Canadian

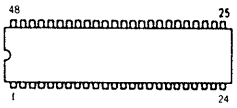
2-10. SEMICONDUCTOR LEAD LAYOUTS

GP1U52XB

LV1001M

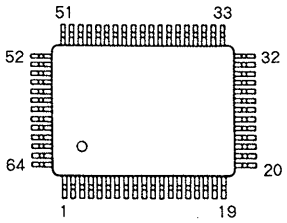


SSM2125(E611)



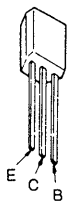
(TOP VIEW)

μPD75206GF-718-3BE



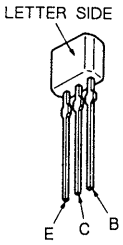
(TOP VIEW)

DTA124ES
DTC124ES
2SC2603-EF
2SC3622-ALK

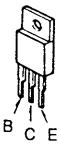


2SA733-QP
2SD1387-34

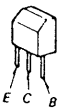
2SA1175HFE
2SD1021F



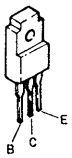
2SB1094-L



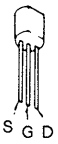
2SD773-34



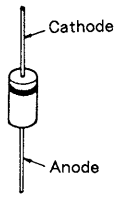
2SD2012



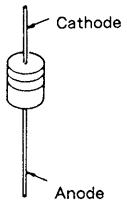
2SK246-Y



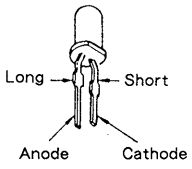
HZA4ALL
HZS30-2L
UZL12H3
10E2N



HZS4ALL
HZS6C3L
UZL-6H3
1SS120

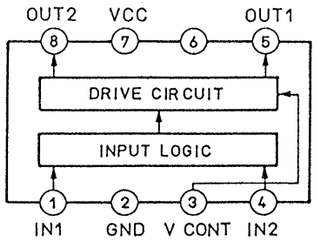


SEL2810D-C

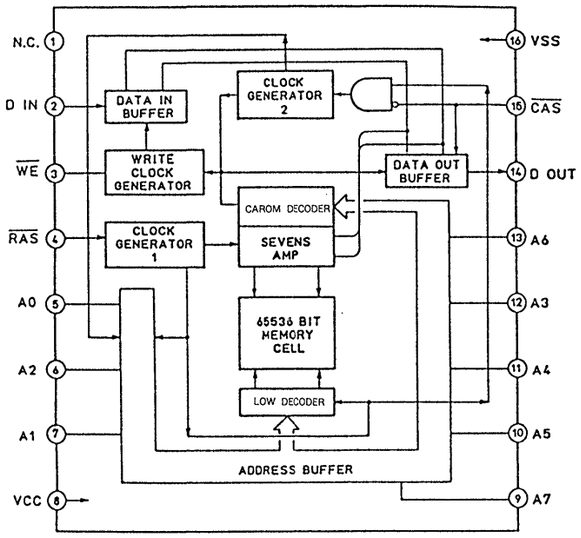


2-11. IC BLOCK DIAGRAMS

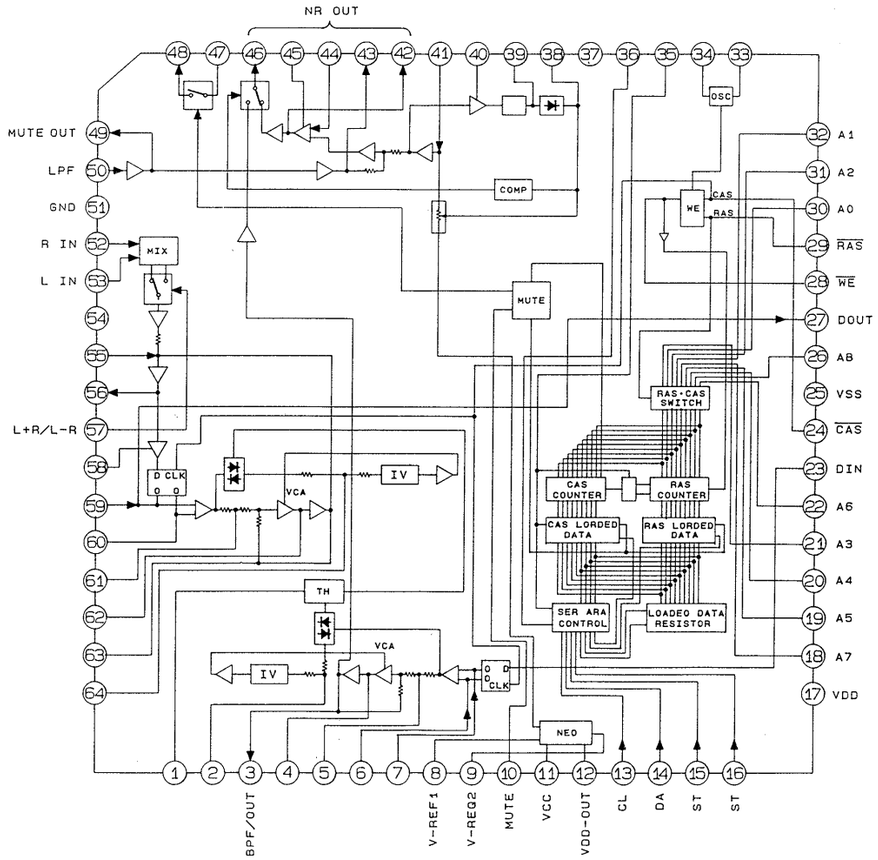
IC102 LB1639



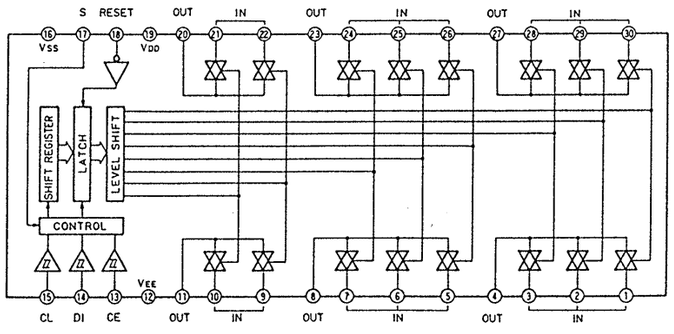
IC304 LM3364K-15



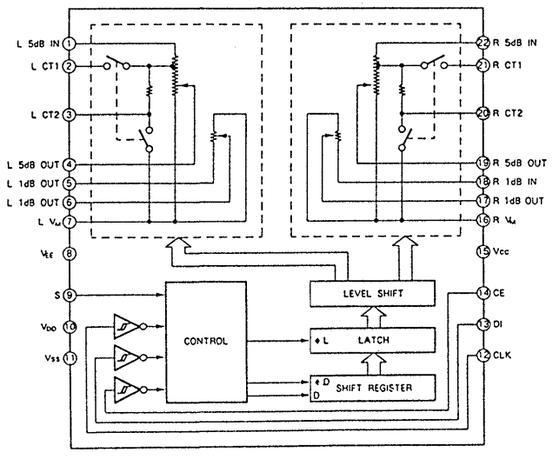
IC303 LV1001M



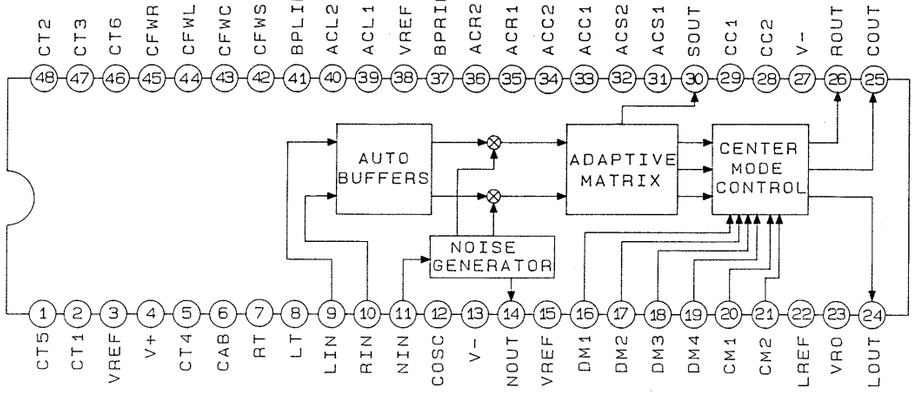
IC206 LC7822



IC404 LC7535



IC308 SSM-2125



SECTION 3
EXPLODED VIEWS

NOTE:

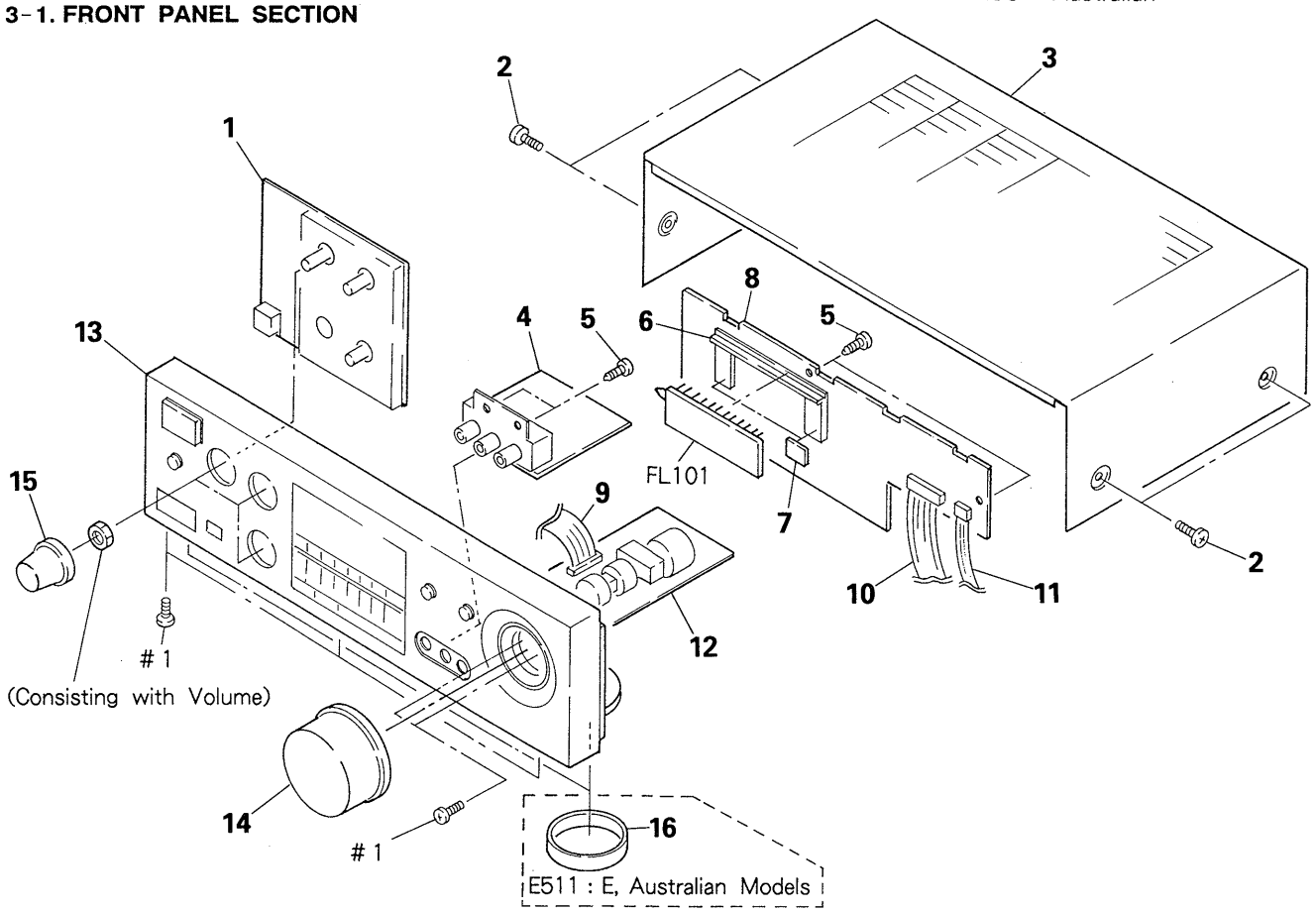
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spéci-fie.

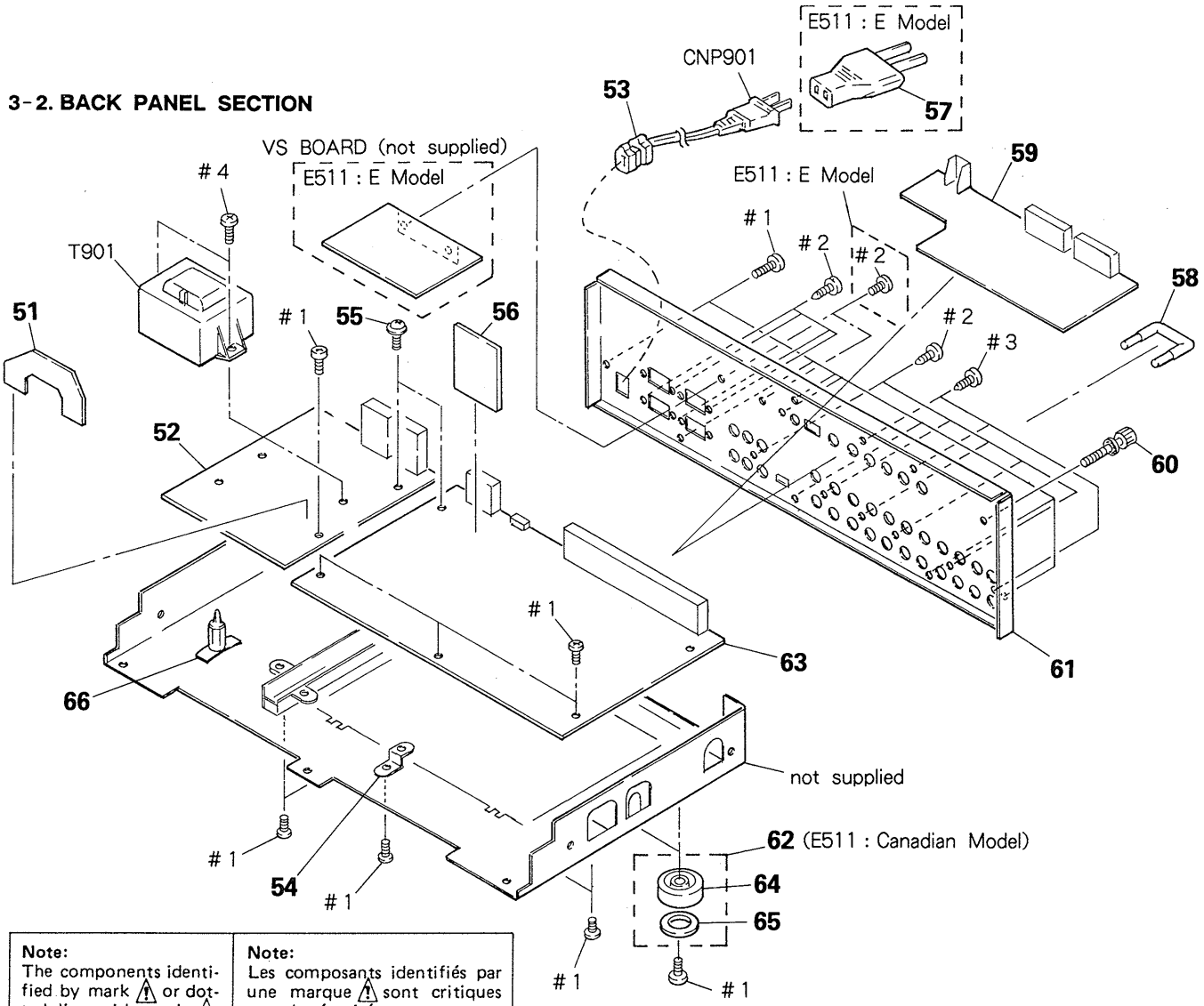
AUS : Australian

3-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	* A-4345-113-A	FRONT BOARD, COMPLETE (E511:US, Canadian)	
	* A-4345-116-A	FRONT BOARD, COMPLETE (E511:E, AUS)	
	* A-4345-177-A	FRONT BOARD, COMPLETE (E611)	
2	3-704-366-01	SCREW (CASE) (M3X8)	
3	* 4-937-817-11	CASE	
4	* 1-639-986-12	VIDEO IN BOARD	
5	4-928-635-02	SCREW, +BV (2.6X8) TAPPING	
6	* 4-934-443-01	HOLDER (FL TUBE)	
7	* 4-921-941-21	CUSHION (FL)	
8	* A-4345-114-A	CONTROL BOARD, COMPLETE (E511:US, Canadian)	
	* A-4345-117-A	CONTROL BOARD, COMPLETE (E511:E, AUS)	
	* A-4345-184-A	CONTROL BOARD, COMPLETE (E611)	
9	1-690-065-11	WIRE, FLAT TYPE (15 CORE)	
10	1-590-237-11	WIRE, FLAT TYPE (19 CORE)	
11	1-690-066-11	WIRE, FLAT TYPE (5 CORE)	
12	* 1-639-984-12	M-VOL BOARD	
13	X-4941-718-1	PANEL ASSY, FRONT (E611)	
	X-4941-719-1	PANEL ASSY, FRONT (E511:US)	
	X-4941-720-1	PANEL ASSY, FRONT (E511:Canadian)	
	X-4941-721-1	PANEL ASSY, FRONT (E511:E, AUS)	
14	X-4941-734-1	KNOB ASSY	
15	4-943-420-11	KNOB (DIA. 19)	
16	* 4-929-030-11	RING (DIA. 58A) ORNAMENTAL (E511:E, AUS)	
FL101	1-519-664-11	INDICATOR TUBE, FLUORESCENT	

3-2. BACK PANEL SECTION



Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	* 1-639-980-12	CONNECTOR BOARD	
52	* A-4345-115-A	POWER BOARD, COMPLETE (E511:E)	
	* A-4345-565-A	POWER BOARD, COMPLETE (E511:AUS)	
	* A-4345-176-A	POWER BOARD, COMPLETE (E511:US, Canadian/E611)	
53	* 3-703-571-11	BUSHING (S) (4516), CORD (E511:E)	
	* 3-703-244-00	BUSHING (2104), CORD (E511:US, Canadian, AUS/E611)	
54	* 3-332-563-01	BRACKET (P)	
55	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
56	* 1-639-985-12	SUB BOARD	
57	⚠ 1-569-007-11	ADAPTOR, CONVERSION 2P (E511:E)	
58	1-535-530-11	PLUG, JUMPER	
59	* A-4345-172-A	VIDEO MAIN BOARD, COMPLETE (E611)	
	* A-4345-213-A	VIDEO MAIN BOARD, COMPLETE (E511:US, Canadian, AUS)	
	* A-4345-563-A	VIDEO MAIN BOARD, COMPLETE (E511:E)	

Ref. No.	Part No.	Description	Remark
60	3-706-165-00	SCREW	
61	* 4-945-755-01	PANEL, BACK (E611)	
	* 4-945-755-11	PANEL, BACK (E511:US, Canadian)	
	* 4-945-755-21	PANEL, BACK (E511:E)	
	* 4-945-755-32	PANEL, BACK (E511:AUS)	
62	X-4885-950-2	FOOT ASSY (E511:Canadian)	
63	* A-4345-112-A	SURROUND BOARD, COMPLETE (E511)	
	* A-4345-171-A	SURROUND BOARD, COMPLETE (E611)	
64	4-933-601-01	FOOT (E511:US, E, AUS/E611)	
65	4-923-836-11	CUSHION (E511:Canadian)	
66	* 3-346-265-11	HOLDER, PC BOARD	
CNP901	⚠ 1-574-902-11	CORD, POWER (E511:E)	
	⚠ 1-590-083-11	CORD, POWER (E511:AUS)	
	⚠ 1-590-771-11	CORD, POWER (E511:US, Canadian/E611)	
T901	⚠ 1-450-592-11	TRANSFORMER, POWER (E511:US, Canadian/E611)	
	⚠ 1-450-593-11	TRANSFORMER, POWER (E511:E, AUS)	

SECTION 4
ELECTRICAL PARTS LIST

CONNECTOR

CONTROL

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spéci-fie.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be defferent from the parts specified in the diagrams or the components used on the set.
- −XX, −X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL : metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA... : μA... , uPA... , μPA... , uPB... , μPB... , uPC... , μPC... , uPD..., μPD...
- CAPACITORS :
  uF : μF
- COILS
  uH : μH

AUS : Australian

Ref. No.	Part No.	Description	Remark
	* 1-639-980-11	CONNECTOR BOARD	
		**********	
		< CONNECTOR >	
CN901	* 1-565-483-11	CONNECTOR, BOARD TO BOARD 7P	
CN902	* 1-565-483-11	CONNECTOR, BOARD TO BOARD 7P	
		**********	
	* A-4345-114-A	CONTROL BOARD, COMPLETE (E511:US, Canadian)	
	* A-4345-117-A	CONTROL BOARD, COMPLETE (E511:E, AUS)	
	* A-4345-184-A	CONTROL BOARD, COMPLETE (E611)	
		**********	
	* 4-921-941-21	CUSHION (FL)	
	* 4-934-443-01	HOLDER (FL TUBE)	
		< CAPACITOR >	
C101	1-124-465-00	ELECT 0.47uF 20% 50V	
C102	1-136-165-11	FILM 0.1uF 5% 50V	
C104	1-124-443-00	ELECT 100uF 20% 10V	
C105	1-130-495-00	MYLAR 0.1uF 5% 50V	
C106	1-130-495-00	MYLAR 0.1uF 5% 50V	
		< CONNECTOR >	
CN101	* 1-568-862-11	SOCKET, CONNECTOR 19P	
CN103	* 1-568-848-11	SOCKET, CONNECTOR 5P	
		< DIODE >	
D101	8-719-912-20	DIODE 1SS120	
D102	8-719-912-20	DIODE 1SS120	
D103	8-719-912-20	DIODE 1SS120	
D104	8-719-912-20	DIODE 1SS120	
D105	8-719-912-20	DIODE 1SS120	
D106	8-719-912-20	DIODE 1SS120	
D107	8-719-912-20	DIODE 1SS120	
D108	8-719-912-20	DIODE 1SS120	
D109	8-719-912-20	DIODE 1SS120	
D110	8-719-912-20	DIODE 1SS120 (E511)	
D111	8-719-912-20	DIODE 1SS120 (E611)	
D112	8-719-985-53	DIODE HZS4ALL	
D113	8-719-985-53	DIODE HZS4ALL	
D115	8-719-912-20	DIODE 1SS120	
D116	8-719-912-20	DIODE 1SS120	
D120	8-719-311-60	DIODE SEL2810D-C (STANDBY) (E511:E, AUS)	
		< INDICATOR >	
FL101	1-519-664-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC101	8-759-154-47	IC uPD75206GF-718-3BE	
		< TRANSISTOR >	
Q101	8-729-900-36	TRANSISTOR DTC124ES	
Q102	8-729-900-63	TRANSISTOR DTA124ES	
Q103	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q104	8-729-900-63	TRANSISTOR DTA124ES (E511:E, AUS)	
		< RESISTOR >	
R101	1-247-903-00	CARBON 1M 5% 1/4W	
R102	1-249-429-11	CARBON 10K 5% 1/4W	
R103	1-247-895-00	CARBON 470K 5% 1/4W	
R105	1-249-411-11	CARBON 330 5% 1/4W (E511:E, AUS)	
R106	1-249-417-11	CARBON 1K 5% 1/4W	
R107	1-249-411-11	CARBON 330 5% 1/4W	
R108	1-249-411-11	CARBON 330 5% 1/4W	
R109	1-249-411-11	CARBON 330 5% 1/4W	
R110	1-249-411-11	CARBON 330 5% 1/4W	
R111	1-249-425-11	CARBON 4.7K 5% 1/4W	

CONTROL FRONT

Ref. No.	Part No.	Description			Remark
R112	1-249-425-11	CARBON	4.7K	5%	1/4W
R113	1-249-425-11	CARBON	4.7K	5%	1/4W
R114	1-249-425-11	CARBON	4.7K	5%	1/4W
R115	1-249-437-11	CARBON	47K	5%	1/4W
R116	1-249-437-11	CARBON	47K	5%	1/4W
R117	1-249-437-11	CARBON	47K	5%	1/4W
R118	1-249-437-11	CARBON	47K	5%	1/4W
R119	1-249-437-11	CARBON	47K	5%	1/4W
R120	1-249-437-11	CARBON	47K	5%	1/4W
R121	1-249-437-11	CARBON	47K	5%	1/4W
R122	1-249-437-11	CARBON	47K	5%	1/4W
R123	1-249-437-11	CARBON	47K	5%	1/4W
R124	1-249-437-11	CARBON	47K	5%	1/4W
R125	1-249-425-11	CARBON	4.7K	5%	1/4W
R126	1-249-437-11	CARBON	47K	5%	1/4W
R127	1-249-437-11	CARBON	47K	5%	1/4W
R128	1-249-437-11	CARBON	47K	5%	1/4W
R129	1-249-437-11	CARBON	47K	5%	1/4W
R130	1-249-437-11	CARBON	47K	5%	1/4W
R131	1-249-437-11	CARBON	47K	5%	1/4W
R132	1-249-437-11	CARBON	47K	5%	1/4W
R133	1-249-437-11	CARBON	47K	5%	1/4W
R134	1-249-437-11	CARBON	47K	5%	1/4W
R135	1-249-405-11	CARBON	100	5%	1/4W
R136	1-249-405-11	CARBON	100	5%	1/4W
R138	1-249-437-11	CARBON	47K	5%	1/4W
R139	1-249-437-11	CARBON	47K	5%	1/4W
		< SWITCH >			
S101	1-554-303-21	SWITCH, TACTILE (PHONO)			
S102	1-554-303-21	SWITCH, TACTILE (TUNER)			
S103	1-554-303-21	SWITCH, TACTILE (CD)			
S104	1-554-303-21	SWITCH, TACTILE (TAPE)			
S105	1-554-303-21	SWITCH, TACTILE (VIDEO 1)			
S106	1-554-303-21	SWITCH, TACTILE (VIDEO 2)			
S107	1-554-303-21	SWITCH, TACTILE (VIDEO 3)			
S108	1-554-303-21	SWITCH, TACTILE (VIDEO 4)			
S109	1-554-303-21	SWITCH, TACTILE (REAR LEVEL +)			
S110	1-554-303-21	SWITCH, TACTILE (REAR LEVEL -)			
S111	1-554-303-21	SWITCH, TACTILE (DBFB)			
S112	1-554-303-21	SWITCH, TACTILE (DELAY TIME)			
S113	1-554-303-21	SWITCH, TACTILE (DOLBY)			
S114	1-554-303-21	SWITCH, TACTILE (HALL)			
S115	1-554-303-21	SWITCH, TACTILE (SIMOLATED)			
S116	1-554-303-21	SWITCH, TACTILE (SURROUND)			
		< VIBRATOR >			
X101	1-567-775-11	VIBRATOR, CERAMIC (4.19MHz)			

Ref. No.	Part No.	Description			Remark
	* A-4345-113-A	FRONT BOARD, COMPLETE (E511:US, Canadian)			
	* A-4345-116-A	FRONT BOARD, COMPLETE (E511:E, AUS)			
	* A-4345-177-A	FRONT BOARD, COMPLETE (E611)			
		**********			
		< CAPACITOR >			
C107	1-162-294-31	CERAMIC	0.001uF	10%	50V
C415	1-130-484-00	MYLAR	0.012uF	5%	50V
C416	1-106-347-00	MYLAR	1500PF	5%	200V
C417	1-130-484-00	MYLAR	0.012uF	5%	50V
C418	1-164-070-11	CERAMIC	100PF	5%	50V
C419	1-164-062-11	CERAMIC	47PF	5%	50V
C420	1-126-163-11	ELECT	4.7uF	20%	50V
C465	1-130-484-00	MYLAR	0.012uF	5%	50V
C466	1-106-347-00	MYLAR	1500PF	5%	200V
C467	1-130-484-00	MYLAR	0.012uF	5%	50V
C468	1-164-070-11	CERAMIC	100PF	5%	50V
C469	1-164-062-11	CERAMIC	47PF	5%	50V
C470	1-126-163-11	ELECT	4.7uF	20%	50V
		< DIODE >			
D121	8-719-311-60	DIODE SEL2810D-C (AUTO) (E611)			
D122	8-719-912-20	DIODE 1SS120			
		< CONNECTOR >			
DR104	* 1-564-338-00	PIN, CONNECTOR 4P			
		< IC >			
IC103	8-749-920-83	IC GP1U52XB			
IC405	8-759-634-51	IC M5218AP			
		< TRANSISTOR >			
Q100	8-729-119-76	TRANSISTOR 2SA1175-HFE (E611)			
		< RESISTOR >			
R140	1-249-429-11	CARBON	10K	5%	1/4W
R141	1-249-429-11	CARBON	10K	5%	1/4W
R142	1-249-425-11	CARBON	4.7K	5%	1/4W (E611)
R143	1-249-411-11	CARBON	330	5%	1/4W (E611)
R144	1-249-437-11	CARBON	47K	5%	1/4W (E611)
R200	1-249-421-11	CARBON	2.2K		1/4W (E511)
R250	1-249-421-11	CARBON	2.2K		1/4W (E511)
R430	1-247-870-11	CARBON	43K	5%	1/4W
R431	1-249-431-11	CARBON	15K	5%	1/4W
R432	1-247-870-11	CARBON	43K	5%	1/4W
R433	1-249-403-11	CARBON	68	5%	1/4W
R480	1-247-870-11	CARBON	43K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R481	1-249-431-11	CARBON	15K	5% 1/4W	
R482	1-247-870-11	CARBON	43K	5% 1/4W	
R483	1-249-403-11	CARBON	68	5% 1/4W	
		< VARIABLE RESISTOR >			
RV302	1-238-777-11	RES, BAR, CARBON 250K (INPUT BALANCE) (E511)			
RV303	1-237-881-11	RES, VAR, CARBON 100K/100K (TREBLE)			
RV304	1-237-881-11	RES, VAR, CARBON 100K/100K (BASE)			
RV305	1-241-022-11	RES, VAR, CARBON 150K/150K (BALANCE)			
		< SWITCH >			
S117	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)			
S118	1-554-303-21	SWITCH, TACTILE (DRLC) (E611)			
**********					
	* A-4345-115-A	POWER BOARD, COMPLETE (E511:E)			
	* A-4345-176-A	POWER BOARD, COMPLETE (E511:US, Canadian/E611)			
	* A-4345-565-A	POWER BOARD, COMPLETE (E511:AUS)			
		**********			
		< CAPACITOR >			
C900	1-124-927-11	ELECT	4.7uF	20% 100V	
C901	1-126-104-11	ELECT	470uF	20% 35V	
C902	1-124-913-11	ELECT	470uF	20% 50V	
C903	1-130-487-00	MYLAR	0.022uF	5% 50V	
C904	1-126-946-11	ELECT	6800uF	20% 25V	
C905	1-124-564-11	ELECT	4700uF	20% 25V	
C906	1-126-101-11	ELECT	100uF	20% 16V	
C907	1-126-101-11	ELECT	100uF	20% 16V	
C908	1-124-477-11	ELECT	47uF	20% 25V	
C909	1-124-119-00	ELECT	330uF	20% 16V	
C910	1-124-907-11	ELECT	10uF	20% 50V	
C911	1-124-477-11	ELECT	47uF	20% 25V	
C912	1-130-487-00	MYLAR	0.022uF	5% 50V	
C913	1-130-487-00	MYLAR	0.022uF	5% 50V	
C914	1-130-487-00	MYLAR	0.022uF	5% 50V	
C915	1-130-487-00	MYLAR	0.022uF	5% 50V	
C916	1-162-282-31	CERAMIC	100PF	10% 50V	
C917	1-124-477-11	ELECT	47uF	20% 25V	
C918	1-124-477-11	ELECT	47uF	20% 25V	
C919	1-124-903-11	ELECT	1uF	20% 50V	
C920	1-130-487-00	MYLAR	0.022uF	5% 50V	
C921	1-124-464-11	ELECT	0.22uF	20% 50V	
C922	⚠ 1-161-744-00	CERAMIC	0.01uF	400V	
C923	1-126-936-11	ELECT	3300uF	20% 16V	
C925	1-124-925-11	ELECT	2.2uF	20% 100V	

Ref. No.	Part No.	Description			Remark
C926	1-124-925-11	ELECT	2.2uF	20% 100V	
C930	1-124-907-11	ELECT	10uF	20% 50V	
C999	⚠ 1-161-744-00	CERAMIC	0.01uF	400V	
		< CONNECTOR >			
CN901	1-560-944-00	PIN, CONNECTOR 7P			
CNJ901	⚠ 1-540-040-11	OUTLET, AC (NONPOLAR) (2P) (E511:E, AUS)			
CNJ901	⚠ 1-540-059-11	OUTLET, AC (POLAR) (E511:US, Canadian/E611)			
CNJ902	⚠ 1-540-040-11	OUTLET, AC (NONPOLAR) (2P) (E511:E, AUS)			
CNJ902	⚠ 1-540-059-11	OUTLET, AC (POLAR) (E511:US, Canadian/E611)			
CNP902	* 1-573-565-11	PIN, CONNECTOR 5P (E511:E)			
CNP903	* 1-573-565-11	PIN, CONNECTOR 5P (E511:E)			
		< DIODE >			
D901	8-719-200-77	DIODE	10E2N		
D902	8-719-200-77	DIODE	10E2N		
D903	8-719-934-22	DIODE	HZS30-2L		
D904	8-719-200-77	DIODE	10E2N		
D905	8-719-200-77	DIODE	10E2N		
D906	8-719-200-77	DIODE	10E2N		
D907	8-719-200-77	DIODE	10E2N		
D908	8-719-001-85	DIODE	UZL-12H3		
D909	8-719-001-85	DIODE	UZL-12H3		
D910	8-719-933-41	DIODE	HZS6C3L		
D911	8-719-200-77	DIODE	10E2N		
D912	8-719-200-77	DIODE	10E2N		
D913	8-719-200-77	DIODE	10E2N		
D914	8-719-200-77	DIODE	10E2N		
D915	8-719-912-20	DIODE	1SS120		
D916	8-719-933-41	DIODE	HZS6C3L		
D917	8-719-933-41	DIODE	HZS6C3L		
D918	8-719-914-11	DIODE	HZ4ALL		
D919	8-719-912-20	DIODE	1SS120		
D920	8-719-912-20	DIODE	1SS120		
D930	8-719-912-20	DIODE	1SS120		
		< CONNECTOR >			
DR102	* 1-564-342-11	PIN, CONNECTOR 8P			
DR801	* 1-564-338-61	PIN, CONNECTOR 4P			
		< TRANSISTOR >			
Q901	8-729-900-36	TRANSISTOR	DTC124ES		
Q902	8-729-900-63	TRANSISTOR	DTA124ES		
Q903	8-729-900-36	TRANSISTOR	DTC124ES		
Q904	8-729-900-63	TRANSISTOR	DTA124ES		
Q905	8-729-209-15	TRANSISTOR	2SD2012		

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

POWER M-VOL

Ref. No.	Part No.	Description				Remark
Q906	8-729-111-67	TRANSISTOR	2SB1094-L			
Q907	8-729-209-15	TRANSISTOR	2SD2012			
Q908	8-729-900-63	TRANSISTOR	DTA124ES			
Q909	8-729-801-93	TRANSISTOR	2SD1387-3			
Q910	8-729-801-93	TRANSISTOR	2SD1387-3			
Q911	8-729-209-15	TRANSISTOR	2SD2012			
Q912	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q913	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q914	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q915	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q916	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q920	8-729-102-14	TRANSISTOR	2SD1021-F			
Q930	8-729-900-36	TRANSISTOR	DTC124ES			
		< RESISTOR >				
R900	1-247-852-11	CARBON	7.5K	5%	1/4W	
R901	⚠ 1-217-469-00	FUSIBLE	1	5%	1W	F
R902	⚠ 1-217-469-00	FUSIBLE	1	5%	1W	F
R903	1-249-413-11	CARBON	470	5%	1/4W	
R904	1-249-429-11	CARBON	10K	5%	1/4W	
R905	1-249-429-11	CARBON	10K	5%	1/4W	
R907	1-247-714-11	CARBON	1.2K	5%	1/4W	
R908	1-249-414-11	CARBON	560	5%	1/4W	
R909	1-247-716-11	CARBON	1.8K	5%	1/4W	
R910	1-249-417-11	CARBON	1K	5%	1/4W	
R911	1-249-429-11	CARBON	10K	5%	1/4W	
R912	1-249-437-11	CARBON	47K	5%	1/4W	
R913	1-249-437-11	CARBON	47K	5%	1/4W	
R914	1-247-696-11	CARBON	47	5%	1/4W	
R915	1-249-417-11	CARBON	1K	5%	1/4W	
R916	1-249-437-11	CARBON	47K	5%	1/4W	
R917	1-249-433-11	CARBON	22K	5%	1/4W	
R918	1-249-429-11	CARBON	10K	5%	1/4W	
R919	1-249-429-11	CARBON	10K	5%	1/4W	
R920	1-249-417-11	CARBON	1K	5%	1/4W	
R921	1-249-429-11	CARBON	10K	5%	1/4W	
R922	1-249-426-11	CARBON	5.6K	5%	1/4W	
R923	1-249-426-11	CARBON	5.6K	5%	1/4W	
R924	1-249-425-11	CARBON	4.7K	5%	1/4W	
R925	1-249-417-11	CARBON	1K	5%	1/4W	
R930	1-249-421-11	CARBON	2.2K	5%	1/4W	
R931	⚠ 1-213-064-61	FUSIBLE	15	5%	1W	F
		< RELAY >				
RY901	⚠ 1-515-617-11	RELAY (E511:E, AUS)				
RY901	⚠ 1-515-701-11	RELAY (E511:US, Canadian/E611)				

Ref. No.	Part No.	Description				Remark
		< SWITCH >				
S901	⚠ 1-572-009-21	SELECTOR, VOLTAGE (E511:E)				
		< TRANSFORMER >				
T901	⚠ 1-450-592-11	TRANSFORMER, POWER (E511:US, Canadian/E611)				
T901	⚠ 1-450-593-11	TRANSFORMER, POWER (E511:E, AUS)				
		< CONNECTOR >				
VH901	* 1-564-321-00	PIN, CONNECTOR 2P				
**********						
	* 1-639-984-11	M-VOL BOARD				
		**********				
		< CAPACITOR >				
C108	1-130-483-00	MYLAR	0.01uF	5%	50V	
C109	1-130-483-00	MYLAR	0.01uF	5%	50V	
C110	1-124-925-11	ELECT	2.2uF	20%	100V	
C111	1-124-925-11	ELECT	2.2uF	20%	100V	
		< CONNECTOR >				
CN301	* 1-568-834-11	SOCKET, CONNECTOR 15P				
		< DIODE >				
D200	8-719-933-41	DIODE HZS6C3L				
		< CONNECTOR >				
DR105	* 1-564-336-61	PIN, CONNECTOR 2P				
DR106	* 1-564-336-00	PIN, CONNECTOR 2P				
DR812	* 1-564-336-71	PIN, CONNECTOR 2P				
		< IC >				
IC102	8-759-820-62	IC LB1639				
		< TRANSISTOR >				
Q100	8-729-140-98	TRANSISTOR 2SD773-34				
		< RESISTOR >				
R142	1-249-433-11	CARBON	22K	5%	1/4W	
R143	1-249-433-11	CARBON	22K	5%	1/4W	
R145	1-249-414-11	CARBON	560	5%	1/4W	
R150	1-247-838-00	CARBON	2K	5%	1/4W	
		< VARIABLE RESISTOR >				
RV301	1-241-563-11	RES, VAR, CARBON 100KX4				

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

SUB SURROUND(E511)

Ref.No.	Part No.	Description			Remark
	* 1-639-985-11	SUB BOARD			
		*********			
		< CAPACITOR >			
C001	1-162-215-11	CERAMIC	47PF	10%	50V
C051	1-162-215-11	CERAMIC	47PF	10%	50V
C408	1-124-907-11	ELECT	10uF	20%	50V
C409	1-124-907-11	ELECT	10uF	20%	50V
C458	1-124-907-11	ELECT	10uF	20%	50V
C459	1-124-907-11	ELECT	10uF	20%	50V
C460	1-124-927-11	ELECT	4.7uF	20%	100V
		< CONNECTOR >			
CN402	* 1-565-485-11	CONNECTOR, BOARD TO BOARD 9P			
		< IC >			
IC402	8-759-634-50	IC M5218AL			
		< RESISTOR >			
R414	1-249-429-11	CARBON	10K	5% 1/4W	
R415	1-249-429-11	CARBON	10K	5% 1/4W	
R416	1-249-440-11	CARBON	82K	5% 1/4W	
R417	1-249-441-11	CARBON	100K	5% 1/4W	
R464	1-249-429-11	CARBON	10K	5% 1/4W	
R465	1-249-422-11	CARBON	2.7K	5% 1/4W	
R466	1-249-440-11	CARBON	82K	5% 1/4W	
R467	1-249-441-11	CARBON	100K	5% 1/4W	
**********					
	* A-4345-112-A	SURROUND BOARD, COMPLETE (E511)			
		**********			
		< CAPACITOR >			
C000	1-161-494-00	CERAMIC	0.022uF		25V
C004	1-124-927-11	ELECT	4.7uF	20%	100V
C005	1-124-927-11	ELECT	4.7uF	20%	100V
C007	1-136-177-00	FILM	1uF	5%	50V
C202	1-164-072-11	CERAMIC	120PF	5%	50V
C203	1-124-907-11	ELECT	10uF	20%	50V
C204	1-162-284-31	CERAMIC	150PF	10%	50V
C205	1-124-925-11	ELECT	2.2uF	20%	100V
C206	1-130-480-00	MYLAR	0.0056uF	5%	50V
C207	1-106-347-00	MYLAR	1500PF	5%	200V
C208	1-124-902-00	ELECT	0.47uF	20%	50V
C209	1-164-097-11	CERAMIC	0.022uF		50V
C210	1-124-477-11	ELECT	47uF	20%	25V
C231	1-124-907-11	ELECT	10uF	20%	50V
C252	1-164-072-11	CERAMIC	120PF	5%	50V

Ref.No.	Part No.	Description			Remark
C253	1-124-907-11	ELECT	10uF	20%	50V
C254	1-162-284-31	CERAMIC	150PF	10%	50V
C255	1-124-925-11	ELECT	2.2uF	20%	100V
C256	1-130-480-00	MYLAR	0.0056uF	5%	50V
C257	1-106-347-00	MYLAR	1500PF	5%	200V
C258	1-124-902-00	ELECT	0.47uF	20%	50V
C259	1-164-097-11	CERAMIC	0.022uF		50V
C260	1-124-477-11	ELECT	47uF	20%	25V
C301	1-124-907-11	ELECT	10uF	20%	50V
C302	1-164-062-11	CERAMIC	47PF	5%	50V
C303	1-124-907-11	ELECT	10uF	20%	50V
C308	1-130-480-00	MYLAR	0.0056uF	5%	50V
C309	1-106-359-00	MYLAR	4700PF	5%	200V
C310	1-164-082-11	CERAMIC	560PF	10%	50V
C311	1-124-907-11	ELECT	10uF	20%	50V
C312	1-164-083-11	CERAMIC	680PF	10%	50V
C313	1-136-167-00	FILM	0.15uF	5%	50V
C314	1-164-075-11	CERAMIC	150PF	10%	50V
C315	1-164-097-11	CERAMIC	0.022uF		50V
C316	1-164-085-11	CERAMIC	0.001uF	10%	50V
C317	1-124-927-11	ELECT	4.7uF	20%	100V
C318	1-124-907-11	ELECT	10uF	20%	50V
C319	1-124-927-11	ELECT	4.7uF	20%	100V
C320	1-124-907-11	ELECT	10uF	20%	50V
C321	1-124-907-11	ELECT	10uF	20%	50V
C322	1-130-489-00	MYLAR	0.033uF	5%	50V
C323	1-106-359-00	MYLAR	4700PF	5%	200V
C324	1-130-477-00	MYLAR	0.0033uF	5%	50V
C325	1-136-163-00	FILM	0.068uF	5%	50V
C326	1-136-169-00	FILM	0.22uF	5%	50V
C327	1-164-056-11	CERAMIC	27PF	5%	50V
C328	1-164-056-11	CERAMIC	27PF	5%	50V
C329	1-124-472-11	ELECT	470uF	20%	10V
C330	1-124-927-11	ELECT	4.7uF	20%	100V
C331	1-164-085-11	CERAMIC	0.001uF	10%	50V
C332	1-164-097-11	CERAMIC	0.022uF		50V
C333	1-164-075-11	CERAMIC	150PF	10%	50V
C334	1-126-176-11	ELECT	220uF	20%	10V
C335	1-126-176-11	ELECT	220uF	20%	10V
C336	1-124-120-11	ELECT	220uF	20%	25V
C337	1-136-165-00	FILM	0.1uF	5%	50V
C338	1-124-443-00	ELECT	100uF	20%	10V
C339	1-124-907-11	ELECT	10uF	20%	50V
C351	1-124-907-11	ELECT	10uF	20%	50V
C352	1-164-062-11	CERAMIC	47PF	5%	50V
C353	1-124-907-11	ELECT	10uF	20%	50V
C380	1-124-907-11	ELECT	10uF	20%	50V
C381	1-124-907-11	ELECT	10uF	20%	50V
C383	1-136-169-00	FILM	0.22uF	5%	50V

SURROUND(E511)

Ref.No.	Part No.	Description			Remark
C385	1-130-489-00	MYLAR	0.033uF	5%	50V
C398	1-124-907-11	ELECT	10uF	20%	50V
C399	1-124-907-11	ELECT	10uF	20%	50V
C400	1-124-907-11	ELECT	10uF	20%	50V
C401	1-124-927-11	ELECT	4.7uF	20%	100V
C402	1-164-058-11	CERAMIC	33PF	5%	50V
C403	1-124-477-11	ELECT	47uF	20%	25V
C404	1-124-903-11	ELECT	1uF	20%	50V
C405	1-124-903-11	ELECT	1uF	20%	50V
C407	1-124-907-11	ELECT	10uF	20%	50V
C410	1-124-927-11	ELECT	4.7uF	20%	100V
C411	1-124-927-11	ELECT	4.7uF	20%	100V
C412	1-124-927-11	ELECT	4.7uF	20%	100V
C413	1-124-927-11	ELECT	4.7uF	20%	100V
C414	1-124-477-11	ELECT	47uF	20%	25V
C450	1-124-907-11	ELECT	10uF	20%	50V
C451	1-124-927-11	ELECT	4.7uF	20%	100V
C452	1-164-058-11	CERAMIC	33PF	5%	50V
C453	1-124-477-11	ELECT	47uF	20%	25V
C454	1-124-903-11	ELECT	1uF	20%	50V
C455	1-124-903-11	ELECT	1uF	20%	50V
		< CONNECTOR >			
CN102	1-568-802-11	SOCKET, CONNECTOR 19P			
CN302 *	1-568-834-11	SOCKET, CONNECTOR 15P			
CN401 *	1-560-284-11	CONNECTOR, (PIN) 9P			
CN802	1-566-211-11	PIN, CONNECTOR 4P (POWER AMP CONTROL OUT)			
CN902	1-560-944-00	PIN, CONNECTOR 7P			
		< DIODE >			
D401	8-719-912-20	DIODE 1SS120			
D402	8-719-912-20	DIODE 1SS120			
		< CONNECTOR >			
DR101 *	1-564-338-00	PIN, CONNECTOR 4P			
DR301 *	1-506-503-11	PIN, CONNECTOR 9P			
DR501 *	1-564-339-61	PIN, CONNECTOR 5P			
DR802 *	1-564-337-00	PIN, CONNECTOR 3P			
		< IC >			
IC200	8-759-634-50	IC M5218AL			
IC204	8-759-801-01	IC LC4966			
IC206	8-759-805-14	IC LC7822			
IC254	8-759-801-01	IC LC4966			
IC301	8-759-634-50	IC M5218AL			
IC303	8-759-823-63	IC LV1001M			
IC304	8-759-821-13	IC LM3364K-15			
IC307	8-759-634-50	IC M5218AL			
IC309	8-759-801-01	IC LC4966			
IC401	8-759-634-50	IC M5218AL			
IC403	8-759-634-50	IC M5218AL			
IC404	8-759-820-11	IC LC7535			
		< JACK >			
PJ200	1-565-320-11	JACK, PIN 6P (PHONO, TUNER, CD IN)			
PJ201	1-565-320-11	JACK, PIN 6P (TAPE/DAT, VIDEO3/LD IN)			
PJ202	1-565-258-11	JACK, PIN 4P (VIDEO2 IN)			
PJ203	1-565-258-11	JACK, PIN 4P (VIDEO1 IN)			
PJ204	1-563-562-11	JACK, PIN 4P (GRAPHIC-EQ IN/OUT)			
PJ802	1-565-352-21	JACK, PIN 2P (FRONT OUT)			
PJ803	1-565-406-21	JACK, PIN 1P (REAR OUT)			
		< TRANSISTOR >			
Q105	8-729-141-26	TRANSISTOR 2SC3622A-LK			
Q106	8-729-141-26	TRANSISTOR 2SC3622A-LK			
Q107	8-729-141-26	TRANSISTOR 2SC3622A-LK			
Q304	8-729-900-36	TRANSISTOR DTC124ES			
Q305	8-729-209-15	TRANSISTOR 2SD2012			
Q310	8-729-900-63	TRANSISTOR DTA124ES			
Q311	8-729-900-36	TRANSISTOR DTC124ES			
Q312	8-729-900-63	TRANSISTOR DTA124ES			
Q313	8-729-900-36	TRANSISTOR DTC124ES			
Q314	8-729-900-63	TRANSISTOR DTA124ES			
Q315	8-729-900-36	TRANSISTOR DTC124ES			
Q316	8-729-900-63	TRANSISTOR DTA124ES			
Q330	8-729-900-36	TRANSISTOR DTC124ES			
Q331	8-729-900-36	TRANSISTOR DTC124ES			
Q332	8-729-900-36	TRANSISTOR DTC124ES			
Q333	8-729-900-36	TRANSISTOR DTC124ES			
Q401	8-729-224-61	TRANSISTOR 2SK246-Y			
Q402	8-729-620-05	TRANSISTOR 2SC2603-EF			
Q403	8-729-141-26	TRANSISTOR 2SC3622A-LK			
Q406	8-729-141-26	TRANSISTOR 2SC3622A-LK			
Q451	8-729-224-61	TRANSISTOR 2SK246-Y			
Q452	8-729-620-05	TRANSISTOR 2SC2603-EF			
Q453	8-729-141-26	TRANSISTOR 2SC3622ATP-LK			
Q805	8-729-900-63	TRANSISTOR DTA124ES			
Q806	8-729-900-63	TRANSISTOR DTA124ES			
Q807	8-729-900-63	TRANSISTOR DTA124ES			
		< RESISTOR >			
R001	1-249-441-11	CARBON	100K	5%	1/4W
R002	1-249-441-11	CARBON	100K	5%	1/4W
R003	1-249-417-11	CARBON	1K	5%	1/4W
R004	1-249-417-11	CARBON	1K	5%	1/4W
R145	1-249-425-11	CARBON	4.7K	5%	1/4W
R146	1-249-425-11	CARBON	4.7K	5%	1/4W

SURROUND(E511)

Ref. No.	Part No.	Description				Remark
R147	1-249-425-11	CARBON	4.7K	5%	1/4W	
R148	1-249-433-11	CARBON	22K	5%	1/4W	
R149	1-249-433-11	CARBON	22K	5%	1/4W	
R150	1-249-433-11	CARBON	22K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	
R203	1-249-437-11	CARBON	47K	5%	1/4W	
R204	1-249-416-11	CARBON	820	5%	1/4W	
R205	1-247-897-11	CARBON	560K	5%	1/4W	
R206	1-249-437-11	CARBON	47K	5%	1/4W	
R207	1-249-441-11	CARBON	100K	5%	1/4W	
R208	1-249-409-11	CARBON	220	5%	1/4W	
R209	1-249-418-11	CARBON	1.2K	5%	1/4W	
R210	1-249-421-11	CARBON	2.2K	5%	1/4W	
R211	1-249-413-11	CARBON	470	5%	1/4W	
R212	1-249-421-11	CARBON	2.2K	5%	1/4W	
R213	1-249-421-11	CARBON	2.2K	5%	1/4W	
R214	1-249-413-11	CARBON	470	5%	1/4W	
R215	1-249-418-11	CARBON	1.2K	5%	1/4W	
R216	1-249-413-11	CARBON	470	5%	1/4W	
R217	1-249-418-11	CARBON	1.2K	5%	1/4W	
R218	1-249-413-11	CARBON	470	5%	1/4W	
R219	1-249-418-11	CARBON	1.2K	5%	1/4W	
R224	1-249-429-11	CARBON	10K	5%	1/4W	
R252	1-249-417-11	CARBON	1K	5%	1/4W	
R253	1-249-437-11	CARBON	47K	5%	1/4W	
R254	1-249-416-11	CARBON	820	5%	1/4W	
R255	1-247-897-11	CARBON	560K	5%	1/4W	
R256	1-249-437-11	CARBON	47K	5%	1/4W	
R257	1-249-441-11	CARBON	100K	5%	1/4W	
R258	1-249-409-11	CARBON	220	5%	1/4W	
R259	1-249-418-11	CARBON	1.2K	5%	1/4W	
R260	1-249-421-11	CARBON	2.2K	5%	1/4W	
R261	1-249-413-11	CARBON	470	5%	1/4W	
R262	1-249-421-11	CARBON	2.2K	5%	1/4W	
R263	1-249-421-11	CARBON	2.2K	5%	1/4W	
R264	1-249-413-11	CARBON	470	5%	1/4W	
R265	1-249-418-11	CARBON	1.2K	5%	1/4W	
R266	1-249-413-11	CARBON	470	5%	1/4W	
R267	1-249-418-11	CARBON	1.2K	5%	1/4W	
R268	1-249-413-11	CARBON	470	5%	1/4W	
R269	1-249-418-11	CARBON	1.2K	5%	1/4W	
R301	1-249-435-11	CARBON	33K	5%	1/4W	
R302	1-247-887-00	CARBON	220K	5%	1/4W	
R303	1-249-405-11	CARBON	100	5%	1/4W	
R309	1-249-428-11	CARBON	8.2K	5%	1/4W	
R310	1-249-428-11	CARBON	8.2K	5%	1/4W	
R311	1-249-431-11	CARBON	15K	5%	1/4W	
R312	1-249-428-11	CARBON	8.2K	5%	1/4W	
R313	1-249-436-11	CARBON	39K	5%	1/4W	
R314	1-249-423-11	CARBON	3.3K	5%	1/4W	
R315	1-249-437-11	CARBON	47K	5%	1/4W	
R316	1-247-903-00	CARBON	1M	5%	1/4W	
R317	1-249-429-11	CARBON	10K	5%	1/4W	
R318	1-247-887-00	CARBON	220K	5%	1/4W	
R319	1-249-429-11	CARBON	10K	5%	1/4W	
R320	1-249-429-11	CARBON	10K	5%	1/4W	
R321	1-249-429-11	CARBON	10K	5%	1/4W	
R333	1-249-429-11	CARBON	10K	5%	1/4W	
R340	1-249-437-11	CARBON	47K	5%	1/4W	
R341	1-249-437-11	CARBON	47K	5%	1/4W	
R342	1-249-437-11	CARBON	47K	5%	1/4W	
R346	1-249-441-11	CARBON	100K	5%	1/4W	
R348	1-249-437-11	CARBON	47K	5%	1/4W	
R351	1-249-435-11	CARBON	33K	5%	1/4W	
R352	1-247-887-00	CARBON	220K	5%	1/4W	
R353	1-249-405-11	CARBON	100	5%	1/4W	
R370	1-249-425-11	CARBON	4.7K	5%	1/4W	
R371	1-249-430-11	CARBON	12K	5%	1/4W	
R372	1-247-903-00	CARBON	1M	5%	1/4W	
R373	1-247-903-00	CARBON	1M	5%	1/4W	
R374	1-247-887-00	CARBON	220K	5%	1/4W	
R375	1-247-887-00	CARBON	220K	5%	1/4W	
R376	1-247-887-00	CARBON	220K	5%	1/4W	
R377	1-247-887-00	CARBON	220K	5%	1/4W	
R378	1-249-441-11	CARBON	100K	5%	1/4W	
R379	1-249-429-11	CARBON	10K	5%	1/4W	
R380	1-249-429-11	CARBON	10K	5%	1/4W	
R385	1-249-413-11	CARBON	470	5%	1/4W	
R399	1-249-441-11	CARBON	100K	5%	1/4W	
R401	1-247-887-00	CARBON	220K	5%	1/4W	
R402	1-249-425-11	CARBON	4.7K	5%	1/4W	
R403	1-249-436-11	CARBON	39K	5%	1/4W	
R404	1-249-441-11	CARBON	100K	5%	1/4W	
R405	1-247-903-00	CARBON	1M	5%	1/4W	
R406	1-249-405-11	CARBON	100	5%	1/4W	
R407	1-249-438-11	CARBON	56K	5%	1/4W	
R408	1-249-426-11	CARBON	5.6K	5%	1/4W	
R409	1-249-412-11	CARBON	390	5%	1/4W	
R410	1-249-421-11	CARBON	2.2K	5%	1/4W	
R412	1-249-437-11	CARBON	47K	5%	1/4W	
R413	1-249-437-11	CARBON	47K	5%	1/4W	
R418	1-249-417-11	CARBON	1K	5%	1/4W	
R419	1-249-405-11	CARBON	100	5%	1/4W	
R420	1-249-417-11	CARBON	1K	5%	1/4W	
R427	1-247-887-00	CARBON	220K	5%	1/4W	
R428	1-249-429-11	CARBON	10K	5%	1/4W	
R429	1-249-439-11	CARBON	68K	5%	1/4W	
R451	1-247-887-00	CARBON	220K	5%	1/4W	

SURROUND(E511) SURROUND(E611)

Ref. No.	Part No.	Description			Remark
R452	1-249-425-11	CARBON	4.7K	5%	1/4W
R453	1-249-436-11	CARBON	39K	5%	1/4W
R454	1-249-441-11	CARBON	100K	5%	1/4W
R455	1-247-903-00	CARBON	1M	5%	1/4W
R456	1-249-405-11	CARBON	100	5%	1/4W
R457	1-249-438-11	CARBON	56K	5%	1/4W
R458	1-249-426-11	CARBON	5.6K	5%	1/4W
R459	1-249-412-11	CARBON	390	5%	1/4W
R460	1-249-421-11	CARBON	2.2K	5%	1/4W
R468	1-249-417-11	CARBON	1K	5%	1/4W
R469	1-249-405-11	CARBON	100	5%	1/4W
R470	1-249-417-11	CARBON	1K	5%	1/4W
R471	1-249-417-11	CARBON	1K	5%	1/4W
R472	1-249-405-11	CARBON	100	5%	1/4W
R473	1-249-417-11	CARBON	1K	5%	1/4W
R477	1-247-887-00	CARBON	220K	5%	1/4W
R478	1-249-429-11	CARBON	10K	5%	1/4W
R479	1-249-439-11	CARBON	68K	5%	1/4W
R816	1-249-433-11	CARBON	22K	5%	1/4W
R819	1-249-433-11	CARBON	22K	5%	1/4W
R820	1-249-433-11	CARBON	22K	5%	1/4W
R1001	1-249-427-11	CARBON	6.8K	5%	1/4W
R1002	1-249-423-11	CARBON	3.3K	5%	1/4W
R2001	1-249-411-11	CARBON	330		1/4W
R2051	1-249-411-11	CARBON	330		1/4W
		< VARIABLE RESISTOR >			
RV301	1-241-563-11	RES, VAR, CARBON 100KX4 (INCLUDING VOL MOTOR) (MASTER VOLUME)			
		< CERAMIC >			
X301	1-567-132-00	RESONATOR, CERAMIC	8.00MHz		
**********					
		* A-4345-171-A SURROUND BOARD, COMPLETE (E611)			
		**********			
		< CAPACITOR >			
C000	1-161-494-00	CERAMIC	0.022uF		25V
C004	1-124-927-11	ELECT	4.7uF	20%	100V
C005	1-124-927-11	ELECT	4.7uF	20%	100V
C007	1-136-177-00	FILM	1uF	5%	50V
C202	1-164-072-11	CERAMIC	120PF	5%	50V
C203	1-124-907-11	ELECT	10uF	20%	50V
C204	1-162-284-31	CERAMIC	150PF	10%	50V
C205	1-124-925-11	ELECT	2.2uF	20%	100V
C206	1-130-480-00	MYLAR	0.0056uF	5%	50V
C207	1-106-347-00	MYLAR	1500PF	5%	200V

Ref. No.	Part No.	Description			Remark
C208	1-124-902-00	ELECT	0.47uF	20%	50V
C209	1-164-097-11	CERAMIC	0.022uF		50V
C210	1-124-477-11	ELECT	47uF	20%	25V
C223	1-124-927-11	ELECT	4.7uF	20%	100V
C225	1-124-927-11	ELECT	4.7uF	20%	100V
C227	1-124-927-11	ELECT	4.7uF	20%	100V
C229	1-124-927-11	ELECT	4.7uF	20%	100V
C230	1-124-927-11	ELECT	4.7uF	20%	100V
C231	1-124-907-11	ELECT	10uF	20%	50V
C252	1-164-072-11	CERAMIC	120PF	5%	50V
C253	1-124-907-11	ELECT	10uF	20%	50V
C254	1-162-284-31	CERAMIC	150PF	10%	50V
C255	1-124-925-11	ELECT	2.2uF	20%	100V
C256	1-130-480-00	MYLAR	0.0056uF	5%	50V
C257	1-106-347-00	MYLAR	1500PF	5%	200V
C258	1-124-902-00	ELECT	0.47uF	20%	50V
C259	1-164-097-11	CERAMIC	0.022uF		50V
C260	1-124-477-11	ELECT	47uF	20%	25V
C273	1-124-927-11	ELECT	4.7uF	20%	100V
C275	1-124-927-11	ELECT	4.7uF	20%	100V
C277	1-124-927-11	ELECT	4.7uF	20%	100V
C279	1-124-927-11	ELECT	4.7uF	20%	100V
C280	1-124-927-11	ELECT	4.7uF	20%	100V
C301	1-124-907-11	ELECT	10uF	20%	50V
C302	1-164-062-11	CERAMIC	47PF	5%	50V
C303	1-124-907-11	ELECT	10uF	20%	50V
C308	1-130-480-00	MYLAR	0.0056uF	5%	50V
C309	1-106-359-00	MYLAR	4700PF	5%	200V
C310	1-164-082-11	CERAMIC	560PF	10%	50V
C311	1-124-907-11	ELECT	10uF	20%	50V
C312	1-164-083-11	CERAMIC	680PF	10%	50V
C313	1-136-167-00	FILM	0.15uF	5%	50V
C314	1-164-075-11	CERAMIC	150PF	10%	50V
C315	1-164-097-11	CERAMIC	0.022uF		50V
C316	1-164-085-11	CERAMIC	0.001uF	10%	50V
C317	1-124-927-11	ELECT	4.7uF	20%	100V
C318	1-124-907-11	ELECT	10uF	20%	50V
C319	1-124-927-11	ELECT	4.7uF	20%	100V
C320	1-124-907-11	ELECT	10uF	20%	50V
C321	1-124-907-11	ELECT	10uF	20%	50V
C322	1-130-489-00	MYLAR	0.033uF	5%	50V
C323	1-106-359-00	MYLAR	4700PF	5%	200V
C324	1-130-477-00	MYLAR	0.0033uF	5%	50V
C325	1-136-163-00	FILM	0.068uF	5%	50V
C326	1-136-169-00	FILM	0.22uF	5%	50V
C327	1-164-056-11	CERAMIC	27PF	5%	50V
C328	1-164-056-11	CERAMIC	27PF	5%	50V
C329	1-124-472-11	ELECT	470uF	20%	10V
C330	1-124-927-11	ELECT	4.7uF	20%	100V

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Ref.No.	Part No.	Description			Remark
C331	1-164-085-11	CERAMIC	0.001uF	10%	50V
C332	1-164-097-11	CERAMIC	0.022uF		50V
C333	1-164-075-11	CERAMIC	150PF	10%	50V
C334	1-126-176-11	ELECT	220uF	20%	10V
C335	1-126-176-11	ELECT	220uF	20%	10V
C336	1-124-120-11	ELECT	220uF	20%	25V
C337	1-136-165-00	FILM	0.1uF	5%	50V
C338	1-124-443-00	ELECT	100uF	20%	10V
C339	1-124-907-11	ELECT	10uF	20%	50V
C340	1-136-165-00	FILM	0.1uF	5%	50V
C341	1-136-165-00	FILM	0.1uF	5%	50V
C342	1-164-083-11	CERAMIC	680PF	10%	50V
C343	1-136-165-00	FILM	0.1uF	5%	50V
C344	1-136-165-00	FILM	0.1uF	5%	50V
C345	1-164-083-11	CERAMIC	680PF	10%	50V
C346	1-124-927-11	ELECT	4.7uF	20%	100V
C347	1-136-169-00	FILM	0.22uF	5%	50V
C348	1-136-169-00	FILM	0.22uF	5%	50V
C349	1-136-171-00	FILM	0.33uF	5%	50V
C350	1-136-171-00	FILM	0.33uF	5%	50V
C351	1-124-907-11	ELECT	10uF	20%	50V
C352	1-164-062-11	CERAMIC	47PF	5%	50V
C353	1-124-907-11	ELECT	10uF	20%	50V
C358	1-136-171-00	FILM	0.33uF	5%	50V
C359	1-136-171-00	FILM	0.33uF	5%	50V
C360	1-164-097-11	CERAMIC	0.022uF		50V
C361	1-164-097-11	CERAMIC	0.022uF		50V
C362	1-164-097-11	CERAMIC	0.022uF		50V
C363	1-164-097-11	CERAMIC	0.022uF		50V
C364	1-136-165-00	FILM	0.1uF	5%	50V
C365	1-126-103-11	ELECT	470uF	20%	16V
C367	1-136-165-00	FILM	0.1uF	5%	50V
C369	1-124-927-11	ELECT	4.7uF	20%	100V
C370	1-136-169-00	FILM	0.22uF	5%	50V
C371	1-136-169-00	FILM	0.22uF	5%	50V
C372	1-124-907-11	ELECT	10uF	20%	50V
C373	1-130-483-00	MYLAR	0.01uF	5%	50V
C374	1-124-907-11	ELECT	10uF	20%	50V
C375	1-130-483-00	MYLAR	0.01uF	5%	50V
C376	1-130-483-00	MYLAR	0.01uF	5%	50V
C377	1-124-907-11	ELECT	10uF	20%	50V
C378	1-124-907-11	ELECT	10uF	20%	50V
C379	1-124-907-11	ELECT	10uF	20%	50V
C380	1-124-907-11	ELECT	10uF	20%	50V
C381	1-124-907-11	ELECT	10uF	20%	50V
C382	1-136-165-00	FILM	0.1uF	5%	50V
C383	1-136-169-00	FILM	0.22uF	5%	50V
C385	1-130-489-00	MYLAR	0.033uF	5%	50V
C398	1-124-907-11	ELECT	10uF	20%	50V
C399	1-124-907-11	ELECT	10uF	20%	50V
C400	1-124-907-11	ELECT	10uF	20%	50V
C401	1-124-927-11	ELECT	4.7uF	20%	100V
C402	1-164-058-11	CERAMIC	33PF	5%	50V
C403	1-124-477-11	ELECT	47uF	20%	25V
C404	1-124-903-11	ELECT	1uF	20%	50V
C405	1-124-903-11	ELECT	1uF	20%	50V
C407	1-124-907-11	ELECT	10uF	20%	50V
C410	1-124-927-11	ELECT	4.7uF	20%	100V
C411	1-124-927-11	ELECT	4.7uF	20%	100V
C412	1-124-927-11	ELECT	4.7uF	20%	100V
C413	1-124-927-11	ELECT	4.7uF	20%	100V
C414	1-124-477-11	ELECT	47uF	20%	25V
C450	1-124-907-11	ELECT	10uF	20%	50V
C451	1-124-927-11	ELECT	4.7uF	20%	100V
C452	1-164-058-11	CERAMIC	33PF	5%	50V
C453	1-124-477-11	ELECT	47uF	20%	25V
C454	1-124-903-11	ELECT	1uF	20%	50V
C455	1-124-903-11	ELECT	1uF	20%	50V
C460	1-124-927-11	ELECT	4.7uF	20%	100V
C461	1-124-927-11	ELECT	4.7uF	20%	100V
C462	1-124-927-11	ELECT	4.7uF	20%	100V
C463	1-124-927-11	ELECT	4.7uF	20%	100V
C2000	1-124-907-11	ELECT	10uF	20%	50V

< CONNECTOR >

CN102	1-568-802-11	SOCKET, CONNECTOR 19P
* CN302	1-568-834-11	SOCKET, CONNECTOR 15P
* CN401	1-560-284-11	CONNECTOR, (PIN) 9P
CN801	1-566-213-11	PIN, CONNECTOR 4P
CN802	1-566-211-11	PIN, CONNECTOR 4P
CN902	1-560-944-00	PIN, CONNECTOR 7P

< DIODE >

D401	8-719-912-20	DIODE 1SS120
D402	8-719-912-20	DIODE 1SS120
D2000	8-719-933-41	DIODE HZS6C3L

< CONNECTOR >

* DR101	1-564-338-00	PIN, CONNECTOR 4P
* DR301	1-506-503-11	PIN, CONNECTOR 9P
* DR501	1-564-339-61	PIN, CONNECTOR 5P
* DR802	1-564-337-00	PIN, CONNECTOR 3P
* DR813	1-564-336-00	PIN, CONNECTOR 2P

< IC >

IC200	8-759-634-50	IC M5218AL
IC201	8-759-634-50	IC M5218AL
IC202	8-759-634-50	IC M5218AL
IC203	8-759-634-50	IC M5218AL

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Ref. No.	Part No.	Description	Remark
IC204	8-759-801-01	IC LC4966	
IC205	8-759-634-50	IC M5218AL	
IC206	8-759-805-14	IC LC7822	
IC207	8-759-000-48	IC MC14052BCP	
IC254	8-759-801-01	IC LC4966	
IC301	8-759-634-50	IC M5218AL	
IC302	8-759-801-01	IC LC4966	
IC303	8-759-823-63	IC LV1001M	
IC304	8-759-821-13	IC LM3364K-15	
IC307	8-759-634-50	IC M5218AL	
IC308	8-759-512-93	IC SSM2125	
IC309	8-759-801-01	IC LC4966	
IC310	8-759-503-96	IC MSM59371RS	
IC311	8-759-801-01	IC LC4966	
IC401	8-759-634-50	IC M5218AL	
IC403	8-759-634-50	IC M5218AL	
IC404	8-759-820-11	IC LC7535	
		< JACK >	
PJ200	1-565-320-11	JACK, PIN 6P (PHONO, TUNER, CD IN)	
PJ201	1-565-320-11	JACK, PIN 6P (TAPE/DAT, VIDEO 3/LD IN)	
PJ202	1-565-258-11	JACK, PIN 4P (VIDEO 2 IN)	
PJ203	1-565-258-11	JACK, PIN 4P (VIDEO 1 IN)	
PJ204	1-563-562-11	JACK, PIN 4P (GRAPHIC-EQ IN/OUT)	
PJ801	1-565-320-11	JACK, PIN 6P (FRONT, REAR, CENTER OUT)	
		< TRANSISTOR >	
Q105	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q106	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q107	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q301	8-729-900-36	TRANSISTOR DTC124ES	
Q302	8-729-900-63	TRANSISTOR DTA124ES	
Q304	8-729-900-36	TRANSISTOR DTC124ES	
Q305	8-729-209-15	TRANSISTOR 2SD2012	
Q310	8-729-900-63	TRANSISTOR DTA124ES	
Q311	8-729-900-36	TRANSISTOR DTC124ES	
Q312	8-729-900-63	TRANSISTOR DTA124ES	
Q313	8-729-900-36	TRANSISTOR DTC124ES	
Q314	8-729-900-63	TRANSISTOR DTA124ES	
Q315	8-729-900-36	TRANSISTOR DTC124ES	
Q316	8-729-900-63	TRANSISTOR DTA124ES	
Q317	8-729-900-36	TRANSISTOR DTC124ES	
Q318	8-729-900-63	TRANSISTOR DTA124ES	
Q319	8-729-900-36	TRANSISTOR DTC124ES	
Q330	8-729-900-36	TRANSISTOR DTC124ES	
Q331	8-729-900-36	TRANSISTOR DTC124ES	
Q332	8-729-900-36	TRANSISTOR DTC124ES	
Q333	8-729-900-36	TRANSISTOR DTC124ES	
Q334	8-729-900-63	TRANSISTOR DTA124ES	
Q335	8-729-900-36	TRANSISTOR DTC124ES	
Q336	8-729-900-63	TRANSISTOR DTA124ES	
Q337	8-729-900-36	TRANSISTOR DTC124ES	
Q401	8-729-224-61	TRANSISTOR 2SK246-Y	
Q402	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q403	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q404	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q405	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q406	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q451	8-729-224-61	TRANSISTOR 2SK246-Y	
Q452	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q453	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q805	8-729-900-63	TRANSISTOR DTA124ES	
Q806	8-729-900-63	TRANSISTOR DTA124ES	
Q807	8-729-900-63	TRANSISTOR DTA124ES	
		< RESISTOR >	
R001	1-249-441-11	CARBON 100K 5% 1/4W	
R002	1-249-441-11	CARBON 100K 5% 1/4W	
R003	1-249-417-11	CARBON 1K 5% 1/4W	
R004	1-249-417-11	CARBON 1K 5% 1/4W	
R145	1-249-425-11	CARBON 4.7K 5% 1/4W	
R146	1-249-425-11	CARBON 4.7K 5% 1/4W	
R147	1-249-425-11	CARBON 4.7K 5% 1/4W	
R148	1-249-433-11	CARBON 22K 5% 1/4W	
R149	1-249-433-11	CARBON 22K 5% 1/4W	
R150	1-249-433-11	CARBON 22K 5% 1/4W	
R202	1-249-417-11	CARBON 1K 5% 1/4W	
R203	1-249-437-11	CARBON 47K 5% 1/4W	
R204	1-249-416-11	CARBON 820 5% 1/4W	
R205	1-247-897-11	CARBON 560K 5% 1/4W	
R206	1-249-437-11	CARBON 47K 5% 1/4W	
R207	1-249-441-11	CARBON 100K 5% 1/4W	
R208	1-249-409-11	CARBON 220 5% 1/4W	
R209	1-249-418-11	CARBON 1.2K 5% 1/4W	
R210	1-249-421-11	CARBON 2.2K 5% 1/4W	
R211	1-249-413-11	CARBON 470 5% 1/4W	
R212	1-249-421-11	CARBON 2.2K 5% 1/4W	
R213	1-249-421-11	CARBON 2.2K 5% 1/4W	
R214	1-249-413-11	CARBON 470 5% 1/4W	
R215	1-249-418-11	CARBON 1.2K 5% 1/4W	
R216	1-249-413-11	CARBON 470 5% 1/4W	
R217	1-249-418-11	CARBON 1.2K 5% 1/4W	
R218	1-249-413-11	CARBON 470 5% 1/4W	
R219	1-249-418-11	CARBON 1.2K 5% 1/4W	
R220	1-249-437-11	CARBON 47K 5% 1/4W	
R221	1-249-435-11	CARBON 33K 5% 1/4W	

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Ref. No.	Part No.	Description				Remark
R222	1-249-435-11	CARBON	33K	5%	1/4W	
R223	1-249-437-11	CARBON	47K	5%	1/4W	
R224	1-249-429-11	CARBON	10K	5%	1/4W	
R225	1-249-422-11	CARBON	2.7K	5%	1/4W	
R226	1-249-417-11	CARBON	1K	5%	1/4W	
R252	1-249-417-11	CARBON	1K	5%	1/4W	
R253	1-249-437-11	CARBON	47K	5%	1/4W	
R254	1-249-416-11	CARBON	820	5%	1/4W	
R255	1-247-897-11	CARBON	560K	5%	1/4W	
R256	1-249-437-11	CARBON	47K	5%	1/4W	
R257	1-249-441-11	CARBON	100K	5%	1/4W	
R258	1-249-409-11	CARBON	220	5%	1/4W	
R259	1-249-418-11	CARBON	1.2K	5%	1/4W	
R260	1-249-421-11	CARBON	2.2K	5%	1/4W	
R261	1-249-413-11	CARBON	470	5%	1/4W	
R262	1-249-421-11	CARBON	2.2K	5%	1/4W	
R263	1-249-421-11	CARBON	2.2K	5%	1/4W	
R264	1-249-413-11	CARBON	470	5%	1/4W	
R265	1-249-418-11	CARBON	1.2K	5%	1/4W	
R266	1-249-413-11	CARBON	470	5%	1/4W	
R267	1-249-418-11	CARBON	1.2K	5%	1/4W	
R268	1-249-413-11	CARBON	470	5%	1/4W	
R269	1-249-418-11	CARBON	1.2K	5%	1/4W	
R270	1-249-437-11	CARBON	47K	5%	1/4W	
R271	1-249-435-11	CARBON	33K	5%	1/4W	
R272	1-249-435-11	CARBON	33K	5%	1/4W	
R273	1-249-437-11	CARBON	47K	5%	1/4W	
R275	1-249-422-11	CARBON	2.7K	5%	1/4W	
R276	1-249-417-11	CARBON	1K	5%	1/4W	
R301	1-249-435-11	CARBON	33K	5%	1/4W	
R302	1-247-887-00	CARBON	220K	5%	1/4W	
R303	1-249-405-11	CARBON	100	5%	1/4W	
R309	1-249-428-11	CARBON	8.2K	5%	1/4W	
R310	1-249-428-11	CARBON	8.2K	5%	1/4W	
R311	1-249-431-11	CARBON	15K	5%	1/4W	
R312	1-249-428-11	CARBON	8.2K	5%	1/4W	
R313	1-249-436-11	CARBON	39K	5%	1/4W	
R314	1-249-423-11	CARBON	3.3K	5%	1/4W	
R315	1-249-437-11	CARBON	47K	5%	1/4W	
R316	1-247-903-00	CARBON	1M	5%	1/4W	
R317	1-249-429-11	CARBON	10K	5%	1/4W	
R318	1-247-887-00	CARBON	220K	5%	1/4W	
R319	1-249-429-11	CARBON	10K	5%	1/4W	
R320	1-249-429-11	CARBON	10K	5%	1/4W	
R321	1-249-429-11	CARBON	10K	5%	1/4W	
R322	1-249-437-11	CARBON	47K	5%	1/4W	
R323	1-249-431-11	CARBON	15K	5%	1/4W	
R324	1-249-437-11	CARBON	47K	5%	1/4W	
R325	1-249-431-11	CARBON	15K	5%	1/4W	
R326	1-247-852-11	CARBON	7.5K	5%	1/4W	
R327	1-247-852-11	CARBON	7.5K	5%	1/4W	
R328	1-259-884-11	CARBON	4.7M	5%	1/4W	
R329	1-249-433-11	CARBON	22K	5%	1/4W	
R330	1-249-433-11	CARBON	22K	5%	1/4W	
R331	1-249-433-11	CARBON	22K	5%	1/4W	
R332	1-249-441-11	CARBON	100K	5%	1/4W	
R333	1-249-433-11	CARBON	22K	5%	1/4W	
R334	1-249-441-11	CARBON	100K	5%	1/4W	
R335	1-249-441-11	CARBON	100K	5%	1/4W	
R340	1-249-437-11	CARBON	47K	5%	1/4W	
R341	1-249-437-11	CARBON	47K	5%	1/4W	
R342	1-249-437-11	CARBON	47K	5%	1/4W	
R343	1-249-437-11	CARBON	47K	5%	1/4W	
R344	1-249-429-11	CARBON	10K	5%	1/4W	
R345	1-249-437-11	CARBON	47K	5%	1/4W	
R346	1-249-441-11	CARBON	100K	5%	1/4W	
R348	1-249-437-11	CARBON	47K	5%	1/4W	
R350	1-247-887-00	CARBON	220K	5%	1/4W	
R351	1-249-435-11	CARBON	33K	5%	1/4W	
R352	1-247-887-00	CARBON	220K	5%	1/4W	
R353	1-249-405-11	CARBON	100	5%	1/4W	
R370	1-249-425-11	CARBON	4.7K	5%	1/4W	
R371	1-249-430-11	CARBON	12K	5%	1/4W	
R372	1-247-903-00	CARBON	1M	5%	1/4W	
R373	1-247-903-00	CARBON	1M	5%	1/4W	
R374	1-247-887-00	CARBON	220K	5%	1/4W	
R375	1-247-887-00	CARBON	220K	5%	1/4W	
R376	1-247-887-00	CARBON	220K	5%	1/4W	
R377	1-247-887-00	CARBON	220K	5%	1/4W	
R378	1-249-441-11	CARBON	100K	5%	1/4W	
R379	1-249-429-11	CARBON	10K	5%	1/4W	
R380	1-249-429-11	CARBON	10K	5%	1/4W	
R385	1-249-413-11	CARBON	470	5%	1/4W	
R398	1-249-429-11	CARBON	10K	5%	1/4W	
R399	1-249-441-11	CARBON	100K	5%	1/4W	
R401	1-247-887-00	CARBON	220K	5%	1/4W	
R402	1-249-425-11	CARBON	4.7K	5%	1/4W	
R403	1-249-436-11	CARBON	39K	5%	1/4W	
R404	1-249-441-11	CARBON	100K	5%	1/4W	
R405	1-247-903-00	CARBON	1M	5%	1/4W	
R406	1-249-405-11	CARBON	100	5%	1/4W	
R407	1-249-438-11	CARBON	56K	5%	1/4W	
R408	1-249-426-11	CARBON	5.6K	5%	1/4W	
R409	1-249-412-11	CARBON	390	5%	1/4W	
R410	1-249-421-11	CARBON	2.2K	5%	1/4W	
R412	1-249-437-11	CARBON	47K	5%	1/4W	
R413	1-249-437-11	CARBON	47K	5%	1/4W	
R418	1-249-417-11	CARBON	1K	5%	1/4W	

SURROUND(E611) VIDEO IN VIDEO MAIN

Ref.No.	Part No.	Description				Remark
R419	1-249-405-11	CARBON	100	5%	1/4W	
R420	1-249-417-11	CARBON	1K	5%	1/4W	
R421	1-249-417-11	CARBON	1K	5%	1/4W	
R422	1-249-405-11	CARBON	100	5%	1/4W	
R423	1-249-417-11	CARBON	1K	5%	1/4W	
R424	1-249-417-11	CARBON	1K	5%	1/4W	
R425	1-249-405-11	CARBON	100	5%	1/4W	
R426	1-249-417-11	CARBON	1K	5%	1/4W	
R427	1-247-887-00	CARBON	220K	5%	1/4W	
R428	1-249-429-11	CARBON	10K	5%	1/4W	
R429	1-249-439-11	CARBON	68K	5%	1/4W	
R451	1-247-887-00	CARBON	220K	5%	1/4W	
R452	1-249-425-11	CARBON	4.7K	5%	1/4W	
R453	1-249-436-11	CARBON	39K	5%	1/4W	
R454	1-249-441-11	CARBON	100K	5%	1/4W	
R455	1-247-903-00	CARBON	1M	5%	1/4W	
R456	1-249-405-11	CARBON	100	5%	1/4W	
R457	1-249-438-11	CARBON	56K	5%	1/4W	
R458	1-249-426-11	CARBON	5.6K	5%	1/4W	
R459	1-249-412-11	CARBON	390	5%	1/4W	
R460	1-249-421-11	CARBON	2.2K	5%	1/4W	
R468	1-249-417-11	CARBON	1K	5%	1/4W	
R469	1-249-405-11	CARBON	100	5%	1/4W	
R470	1-249-417-11	CARBON	1K	5%	1/4W	
R471	1-249-417-11	CARBON	1K	5%	1/4W	
R472	1-249-405-11	CARBON	100	5%	1/4W	
R473	1-249-417-11	CARBON	1K	5%	1/4W	
R475	1-249-405-11	CARBON	100	5%	1/4W	
R477	1-247-887-00	CARBON	220K	5%	1/4W	
R478	1-249-429-11	CARBON	10K	5%	1/4W	
R479	1-249-439-11	CARBON	68K	5%	1/4W	
R815	1-249-429-11	CARBON	10K	5%	1/4W	
R816	1-249-433-11	CARBON	22K	5%	1/4W	
R817	1-249-429-11	CARBON	10K	5%	1/4W	
R819	1-249-433-11	CARBON	22K	5%	1/4W	
R820	1-249-433-11	CARBON	22K	5%	1/4W	
R1000	1-247-887-00	CARBON	220K	5%	1/4W	
R1001	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1002	1-249-427-11	CARBON	6.8K	5%	1/4W	
R2000	1-249-410-11	CARBON	270	5%	1/4W	
R2001	1-249-411-11	CARBON	330		1/4W	
R2051	1-249-411-11	CARBON	330		1/4W	
		< CERAMIC >				
X301	1-567-132-00	RESONATOR, CERAMIC	8.00MHz			

Ref.No.	Part No.	Description				Remark
	* 1-639-986-11	VIDEO IN BOARD				
		**********				
		< CAPACITOR >				
C124	1-136-177-00	FILM	1uF	5%	50V	
		< JACK >				
PJ501	1-580-174-31	JACK, PIN (3P FRONT) (VIDEO INPUT)				
		< RESISTOR >				
R226	1-249-418-11	CARBON	1.2K	5%	1/4W	
R276	1-249-418-11	CARBON	1.2K	5%	1/4W	
R517	1-247-804-11	CARBON	75	5%	1/4W	
		**********				
	* A-4345-172-A	VIDEO MAIN BOARD, COMPLETE (E611)				
	* A-4345-213-A	VIDEO MAIN BOARD, COMPLETE (E511:US, Canadian, AUS)				
	* A-4345-563-A	VIDEO MAIN BOARD, COMPLETE (E511:E)				
		**********				
		< CAPACITOR >				
C500	1-124-927-11	ELECT	4.7uF	20%	100V	
C501	1-124-927-11	ELECT	4.7uF	20%	100V	
C502	1-124-927-11	ELECT	4.7uF	20%	100V	
C503	1-124-471-00	ELECT	1000uF	20%	6.3V	
C504	1-124-471-00	ELECT	1000uF	20%	6.3V	
C505	1-124-471-00	ELECT	1000uF	20%	6.3V	
C507	1-164-097-11	CERAMIC	0.022uF		50V	
C508	1-124-927-11	ELECT	4.7uF	20%	100V	
C509	1-126-916-11	ELECT	1000uF	20%	6.3V	
C550	1-124-120-11	ELECT	220uF		25V (E511:E)	
C801	1-164-085-11	CERAMIC	0.001uF	10%	50V (E611)	
C802	1-124-477-11	ELECT	47uF	20%	25V (E611)	
C803	1-124-477-11	ELECT	47uF	20%	25V (E611)	
		< CONNECTOR >				
CN104	* 1-568-824-11	SOCKET, CONNECTOR 5P				
CNJ500	* 1-564-358-00	PIN, CONNECTOR 3P (E511:E)				
		< DIODE >				
D801	8-719-912-20	DIODE 1SS120				
D802	8-719-912-20	DIODE 1SS120 (E611)				
D803	8-719-912-20	DIODE 1SS120				
D804	8-719-912-20	DIODE 1SS120 (E611)				
D805	8-719-912-20	DIODE 1SS120 (E611)				

VIDEO MAIN

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
DR900	* 1-564-336-61	PIN, CONNECTOR 2P	
DR901	* 1-564-338-00	PIN, CONNECTOR 4P	
		< IC >	
IC500	8-759-991-77	IC BA7625	
		< JACK >	
J500	1-565-351-11	JACK, PIN 3P (VIDEO 2, 3 IN/OUT)	
J501	1-565-351-11	JACK, PIN 3P (VIDEO 1 IN/OUT, MONITOR)	
J800	1-566-819-31	JACK 1P (DRLC IN) (E611)	
		< COIL >	
L500	1-410-977-11	INDUCTOR 100uH	
		< TRANSISTOR >	
Q100	8-729-140-98	TRANSISTOR 2SD773-34	
Q500	8-729-141-03	TRANSISTOR 2SA733-QP	
Q501	8-729-141-03	TRANSISTOR 2SA733-QP	
Q502	8-729-141-03	TRANSISTOR 2SA733-QP	
Q801	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q802	8-729-119-76	TRANSISTOR 2SA1175-HFE (E611)	
Q803	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q804	8-729-620-05	TRANSISTOR 2SC2603-EF (E611)	
		< RESISTOR >	
R01	⚠ 1-247-696-11	CARBON 47 1/4W(E611)	
R500	1-247-804-11	CARBON 75 5% 1/4W	
R501	1-247-804-11	CARBON 75 5% 1/4W	
R502	1-247-804-11	CARBON 75 5% 1/4W	
R503	1-249-403-11	CARBON 68 5% 1/4W	
R504	1-249-429-11	CARBON 10K 5% 1/4W	
R505	1-249-403-11	CARBON 68 5% 1/4W	
R506	1-249-429-11	CARBON 10K 5% 1/4W	
R507	1-249-403-11	CARBON 68 5% 1/4W	
R508	1-249-429-11	CARBON 10K 5% 1/4W	
R509	1-249-405-11	CARBON 100 5% 1/4W	
R510	1-249-405-11	CARBON 100 5% 1/4W	
R511	1-249-405-11	CARBON 100 5% 1/4W	
R512	1-249-405-11	CARBON 100 5% 1/4W	
R513	1-249-405-11	CARBON 100 5% 1/4W	
R514	1-249-405-11	CARBON 100 5% 1/4W	
R550	⚠ 1-212-966-00	FUSIBLE 22 1/2W(E511:E)	
R800	1-249-417-11	CARBON 1K 5% 1/4W(E611)	
R801	1-249-429-11	CARBON 10K 5% 1/4W	
R802	1-249-437-11	CARBON 47K 5% 1/4W	
R803	⚠ 1-247-688-11	CARBON 10 5% 1/4W F(E611)	
R804	1-249-429-11	CARBON 10K 5% 1/4W(E611)	
R805	1-249-429-11	CARBON 10K 5% 1/4W(E611)	
R806	1-249-437-11	CARBON 47K 5% 1/4W(E611)	
R807	1-249-417-11	CARBON 1K 5% 1/4W	
R808	1-249-393-11	CARBON 10 5% 1/4W	
R809	1-249-425-11	CARBON 4.7K 5% 1/4W(E611)	
R810	1-249-425-11	CARBON 4.7K 5% 1/4W(E611)	
R811	1-249-429-11	CARBON 10K 5% 1/4W(E611)	

****

MISCELLANEOUS
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9	1-690-065-11	WIRE, FLAT TYPE (15 CORE)
10	1-590-237-11	WIRE, FLAT TYPE (19 CORE)
11	1-690-066-11	WIRE, FLAT TYPE (5 CORE)
57	⚠ 1-569-007-11	ADAPTOR, CONVERSION 2P (E511:E)
58	1-535-530-11	PLUG, JUMPER
CNP901	⚠ 1-574-902-11	CORD, POWER (E511:E)
CNP901	⚠ 1-590-083-11	CORD, POWER (E511:AUS)
CNP901	⚠ 1-590-771-11	CORD, POWER (E511:US, Canadian/E611)

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ACCESSORIES & PACKING MATERIALS
****

1-465-712-11	COMMANDER, STANDARD (RM-P312)
1-558-232-21	CORD (WITH CONNECTOR) (SIRCS) 4P (E511:US, E, AUS/E611)
1-559-533-11	CORD, CONNECTION (E511:US, E, AUS/E611)
1-590-136-31	CORD, CONNECTION (E511:US, E, AUS)
3-753-477-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINES) (E511:E, AUS)
3-753-477-21	MANUAL, INSTRUCTION (ENGLISH) (E511:US/E611)
4-925-079-01	COVER (6), BATTERY
* 4-931-988-21	INDIVIDUAL CARTON (E511:US, E, AUS)
* 4-931-988-31	INDIVIDUAL CARTON (E611)
* 4-944-501-01	CUSHION

****

HARDWARE LIST

****

# 1	7-682-548-09	SCREW +BVTT 3X8 (S)
# 2	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S
# 3	7-621-849-00	SCREW, TAPPING
# 4	7-682-550-04	SCREW +BVTT 3X12 (S)

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

9-956-599-11

Sony Corporation
Audio Group

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